

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067742.D
 Acq On : 23 Nov 2020 13:11
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 24 00:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	274743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	358437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173567	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	397291	147.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	294.28%#	
35) Dibromofluoromethane		7.91	113	379952	151.56	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	303.12%#	
50) Toluene-d8		10.34	98	1346779	148.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	296.04%#	
62) 4-Bromofluorobenzene		12.64	95	470077	150.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	300.76%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	340515	140.652	ug/l	100
3) Chloromethane	2.21	50	202020	146.828	ug/l	100
4) Vinyl Chloride	2.34	62	248845	144.896	ug/l	97
5) Bromomethane	2.74	94	212224	144.286	ug/l	100
6) Chloroethane	2.91	64	163579	144.284	ug/l	100
7) Trichlorofluoromethane	3.27	101	723100	139.095	ug/l	99
8) Diethyl Ether	3.71	74	153698	146.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	339737	137.168	ug/l	99
10) Methyl Iodide	4.30	142	441302	173.658	ug/l	99
11) Tert butyl alcohol	5.22	59	94948	470.850	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	326282	143.238	ug/l	100
13) Acrolein	3.92	56	86661	777.563	ug/l	93
14) Allyl chloride	4.71	41	339335	155.034	ug/l	99
15) Acrylonitrile	5.42	53	265586	746.925	ug/l	98
16) Acetone	4.16	43	258999	724.117	ug/l	96
17) Carbon Disulfide	4.41	76	971097	145.468	ug/l	100
18) Methyl Acetate	4.71	43	104797	151.822	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	755896	155.171	ug/l	98
20) Methylene Chloride	4.97	84	356927	100.660	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	370835	145.442	ug/l	98
22) Diisopropyl ether	6.36	45	649004	150.661	ug/l	95
23) Vinyl Acetate	6.31	43	1967497	804.372	ug/l	98
24) 1,1-Dichloroethane	6.27	63	533813	143.197	ug/l	99
25) 2-Butanone	7.21	43	284312	744.491	ug/l	96
26) 2,2-Dichloropropane	7.21	77	605193	138.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	402499	146.270	ug/l	99
28) Bromochloromethane	7.55	49	175677	147.582	ug/l	99
29) Tetrahydrofuran	7.57	42	167772	749.482	ug/l	96
30) Chloroform	7.71	83	675977	139.818	ug/l	99
31) Cyclohexane	7.98	56	423409	131.360	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	718378	139.453	ug/l	99
36) 1,1-Dichloropropene	8.11	75	496200	146.373	ug/l	99
37) Ethyl Acetate	7.30	43	130302	146.323	ug/l	98
38) Carbon Tetrachloride	8.10	117	693778	139.477	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591574	146.943	ug/l	99
40) Benzene	8.36	78	1309987	140.121	ug/l	98
41) Methacrylonitrile	7.53	41	77798	188.107	ug/l	96
42) 1,2-Dichloroethane	8.43	62	451877	143.872	ug/l	100
43) Isopropyl Acetate	8.46	43	282079	156.545	ug/l	97
44) Trichloroethene	9.11	130	447416	143.542	ug/l	99
45) 1,2-Dichloropropane	9.39	63	272316	143.259	ug/l	98
46) Dibromomethane	9.48	93	186959	146.445	ug/l	96
47) Bromodichloromethane	9.67	83	529775	146.815	ug/l	96
48) Methyl methacrylate	9.46	41	137906	154.500	ug/l	97
49) 1,4-Dioxane	9.47	88	41959	3030.259	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	631004	750.522	ug/l	98
52) Toluene	10.41	92	898654	142.495	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	467740	148.826	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	526183	147.884	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	244760	141.219	ug/l	95
56) Ethyl methacrylate	10.67	69	281212	156.992	ug/l	99
57) 1,3-Dichloropropane	10.95	76	401490	147.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	679926	812.796	ug/l	99
59) 2-Hexanone	10.98	43	456397	760.654	ug/l	99
60) Dibromochloromethane	11.14	129	387726	146.758	ug/l	98
61) 1,2-Dibromoethane	11.25	107	250092	145.934	ug/l	100
64) Tetrachloroethene	10.88	164	388701	137.920	ug/l	92
65) Chlorobenzene	11.67	112	995579	140.229	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	413684	145.444	ug/l	98
67) Ethyl Benzene	11.75	91	1777371	145.843	ug/l	99
68) m/p-Xylenes	11.86	106	1367995	287.096	ug/l	100
69) o-Xylene	12.18	106	638765	147.426	ug/l	98
70) Styrene	12.20	104	1068294	142.727	ug/l	99
71) Bromoform	12.36	173	224757	145.142	ug/l #	99
73) Isopropylbenzene	12.48	105	1770494	152.057	ug/l	100
74) N-amyl acetate	12.29	43	246302	163.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	230297	148.413	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	337211	249.291	ug/l #	100
77) Bromobenzene	12.76	156	429768	148.239	ug/l	98
78) n-propylbenzene	12.83	91	1960965	151.852	ug/l	99
79) 2-Chlorotoluene	12.91	91	1143815	150.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1527263	149.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	80658	155.717	ug/l	96
82) 4-Chlorotoluene	13.01	91	1205423	148.676	ug/l	100
83) tert-Butylbenzene	13.23	119	1337707	155.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1511527	150.315	ug/l	100
85) sec-Butylbenzene	13.40	105	1722991	151.488	ug/l	100
86) p-Isopropyltoluene	13.52	119	1664506	151.328	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	804321	142.370	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	795852	141.362	ug/l	99
89) n-Butylbenzene	13.84	91	1415072	150.284	ug/l	99
90) Hexachloroethane	14.11	117	322756	153.985	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	703735	144.839	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	48243	146.084	ug/l	91

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QLast Update : Tue Nov 24 00:34:53 2020
Response via : Initial Calibration

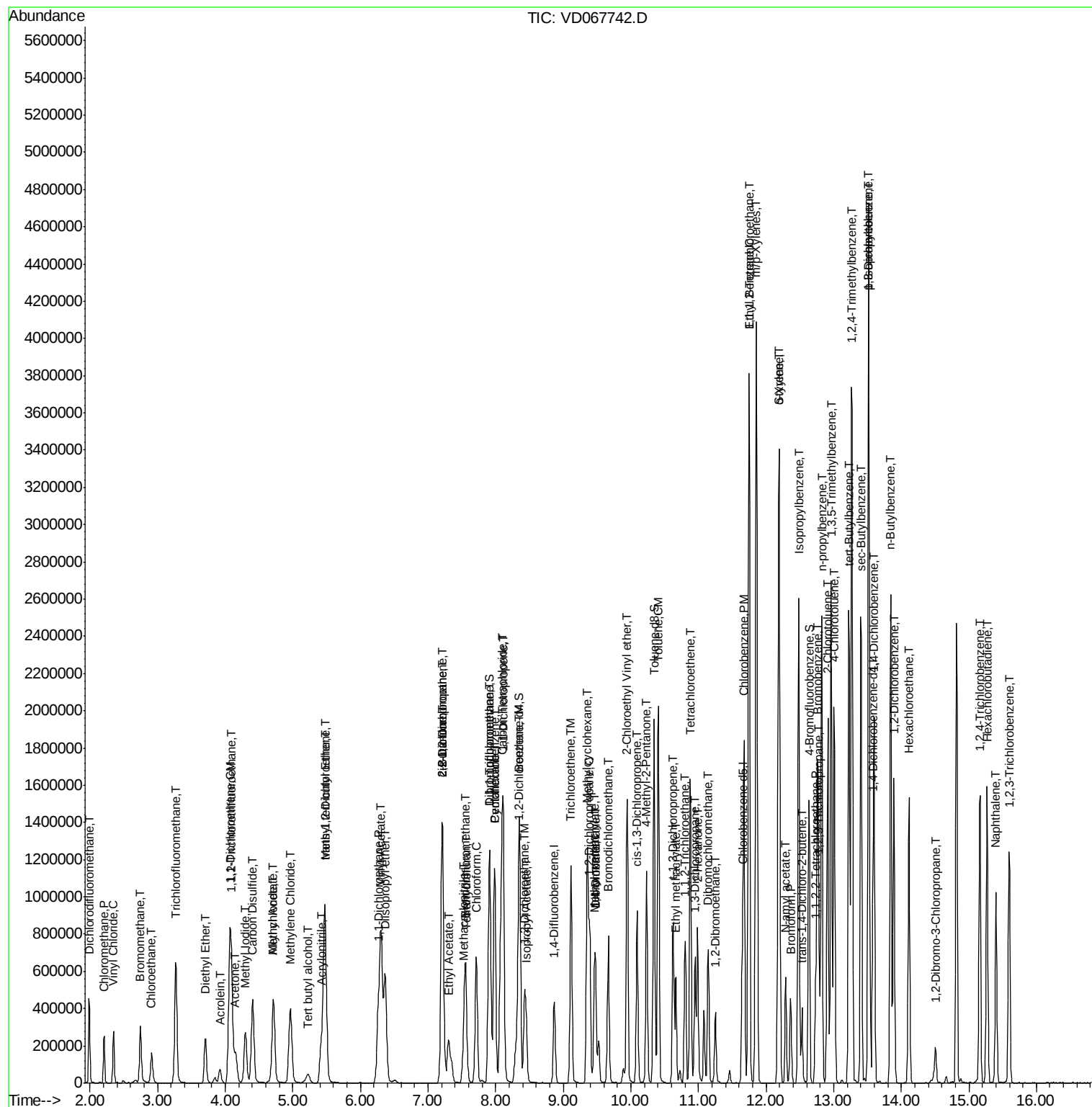
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	522213	151.766	ug/l	99
94) Hexachlorobutadiene	15.27	225	328060	148.632	ug/l	97
95) Naphthalene	15.40	128	899787	161.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	448208	153.406	ug/l	99

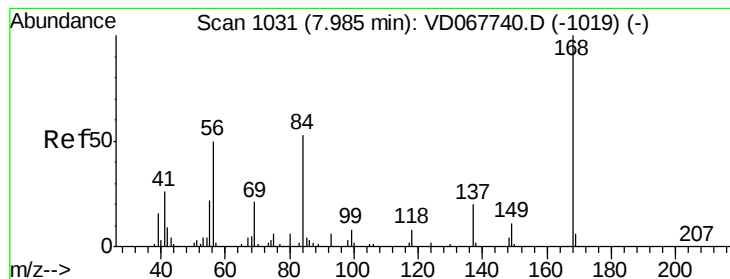
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:34:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

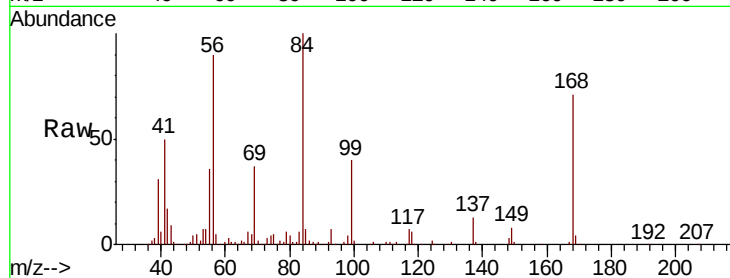
VSTDIC150

Tot Ion:168 Resp: 274743

Ion Ratio Lower Upper

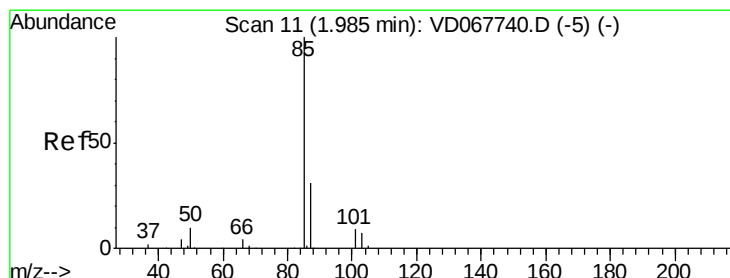
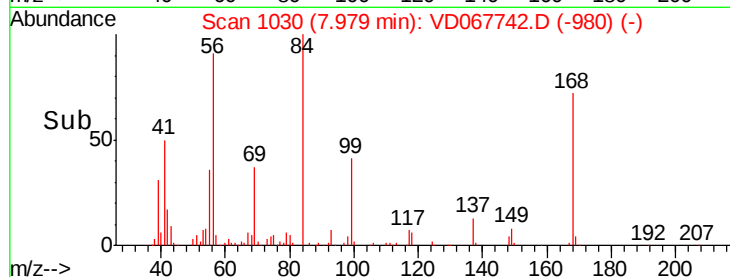
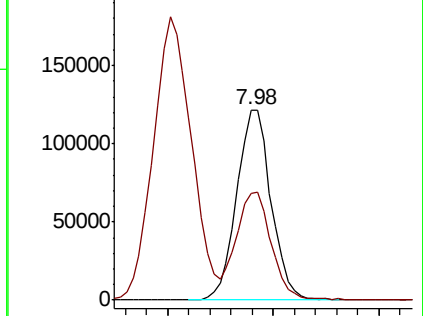
168 100

99 55.7 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.652 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067742.D

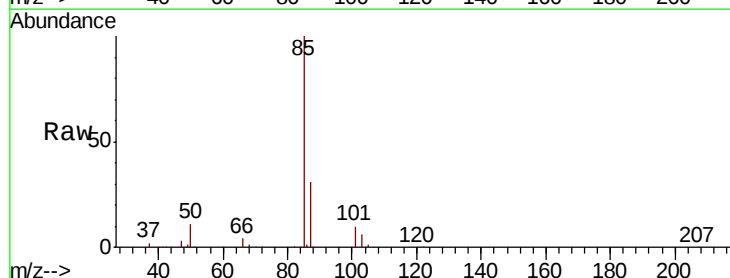
Acq: 23 Nov 2020 13:11

Tgt Ion: 85 Resp: 340515

Ion Ratio Lower Upper

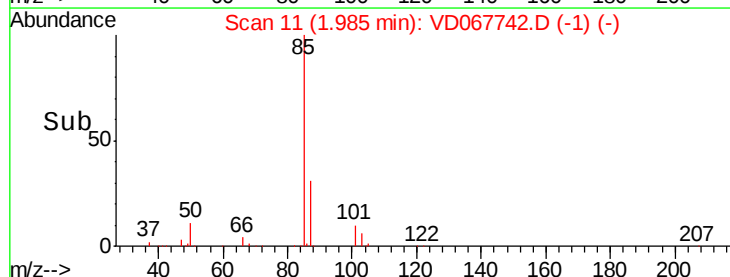
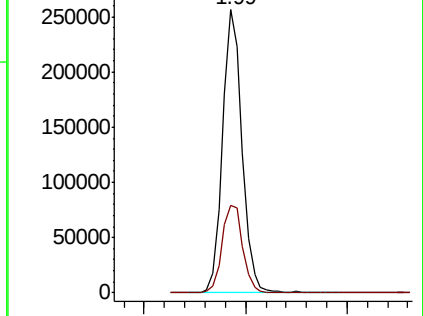
85 100

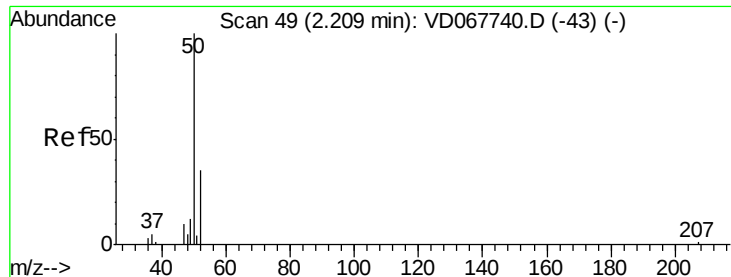
87 30.9 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 146.828 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

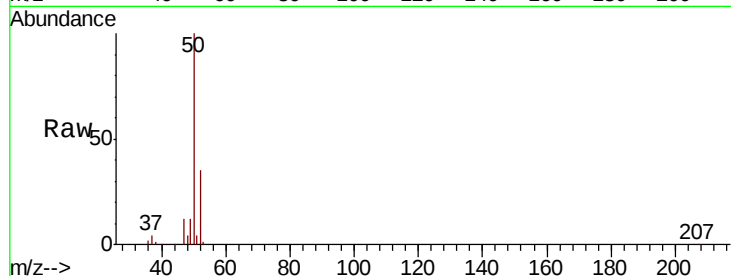
VSTDIC150

Tot Ion: 50 Resp: 202020

Ion Ratio Lower Upper

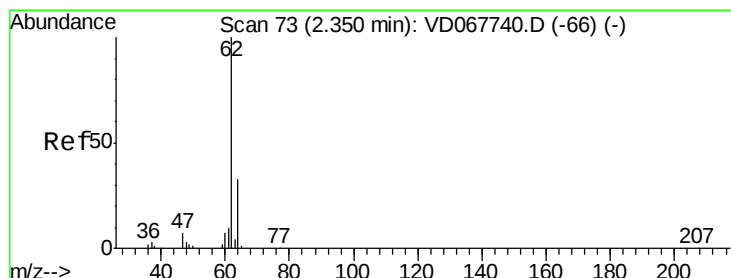
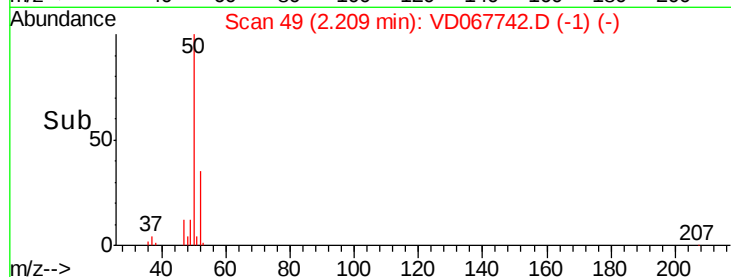
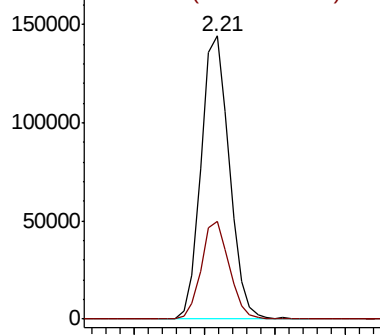
50 100

52 34.6 27.8 41.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 144.896 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067742.D

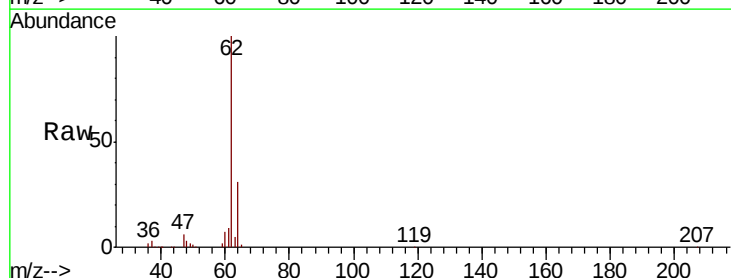
Acq: 23 Nov 2020 13:11

Tgt Ion: 62 Resp: 248845

Ion Ratio Lower Upper

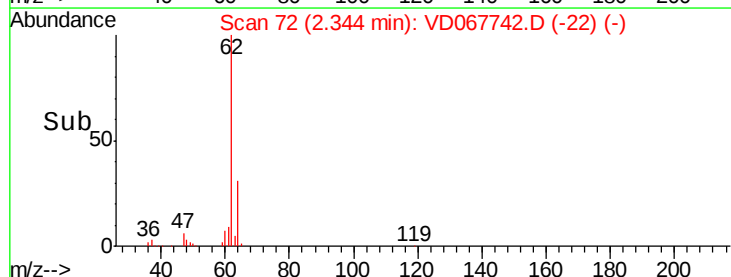
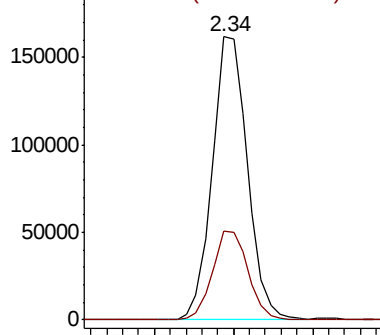
62 100

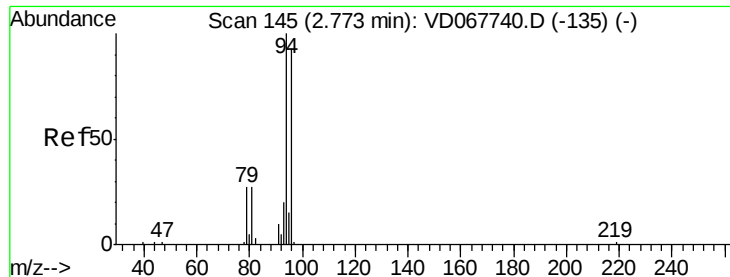
64 31.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 144.286 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

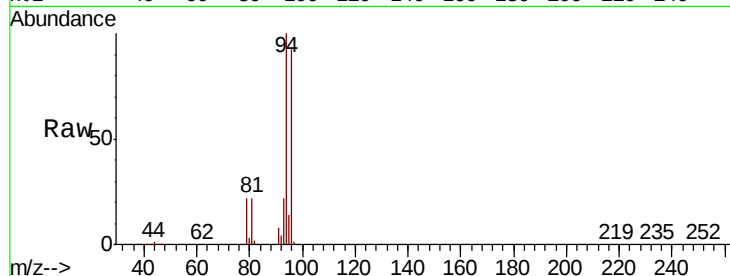
VSTDIC150

Tot Ion: 94 Resp: 212224

Ion Ratio Lower Upper

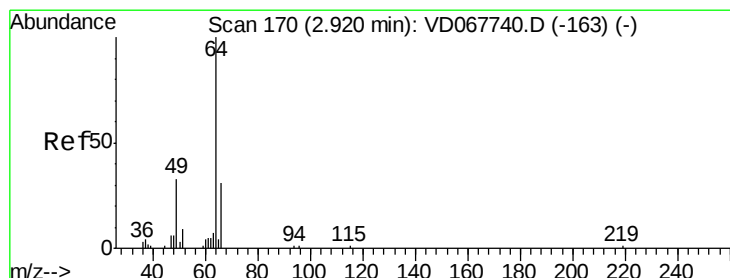
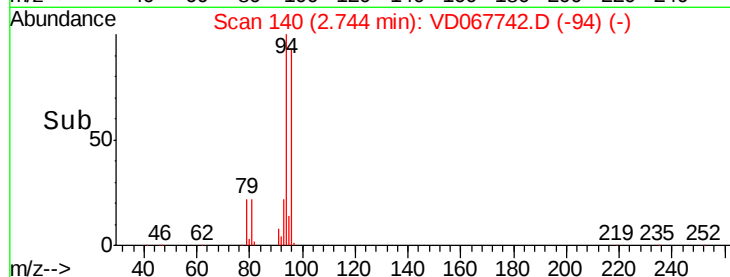
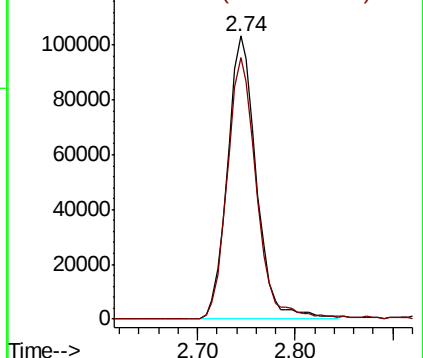
94 100

96 92.6 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 144.284 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD067742.D

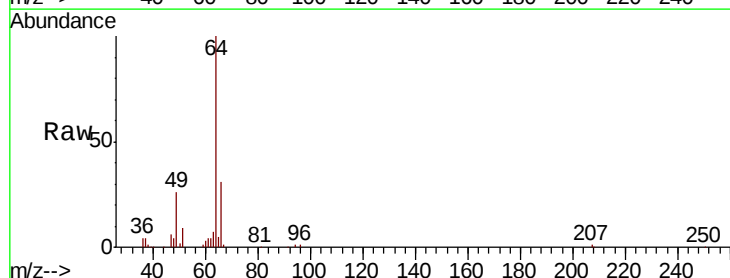
Acq: 23 Nov 2020 13:11

Tgt Ion: 64 Resp: 163579

Ion Ratio Lower Upper

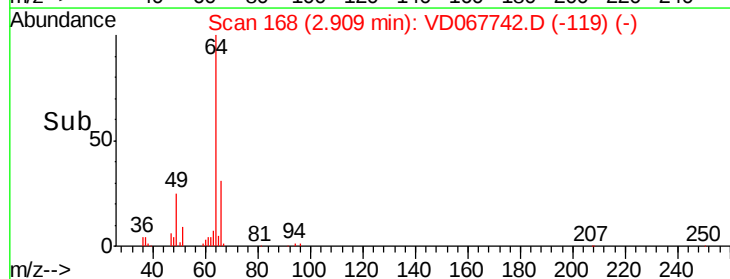
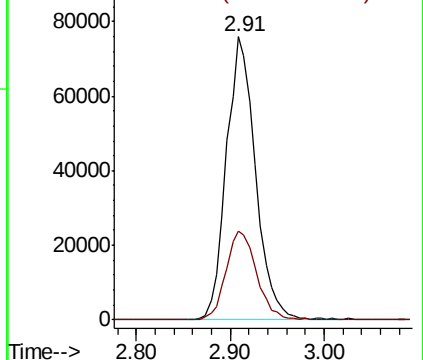
64 100

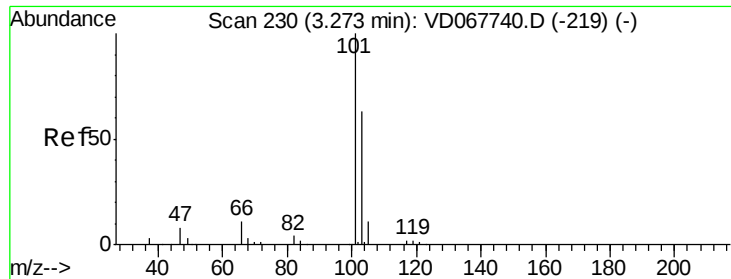
66 31.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



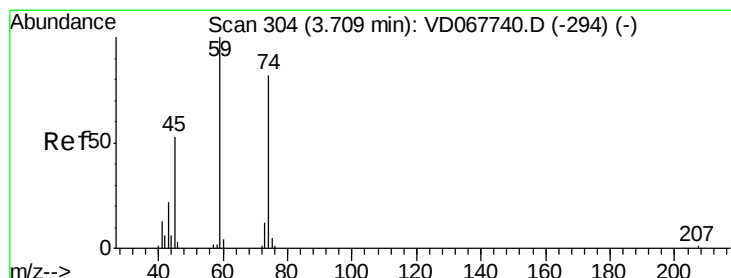
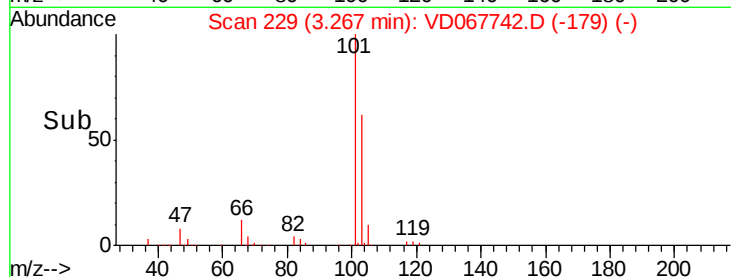
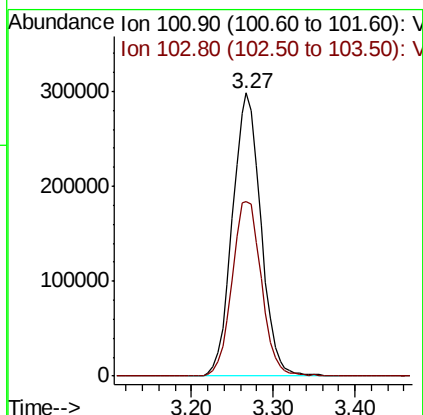
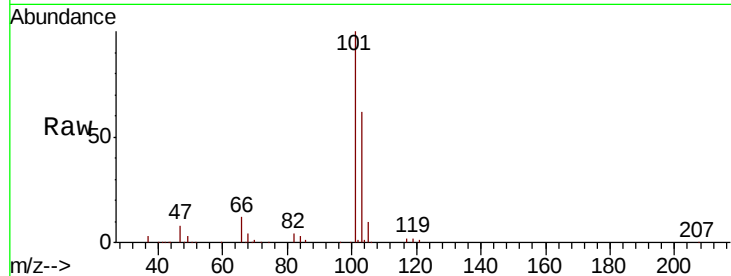


#7

Trichlorofluoromethane
 Concen: 139.095 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
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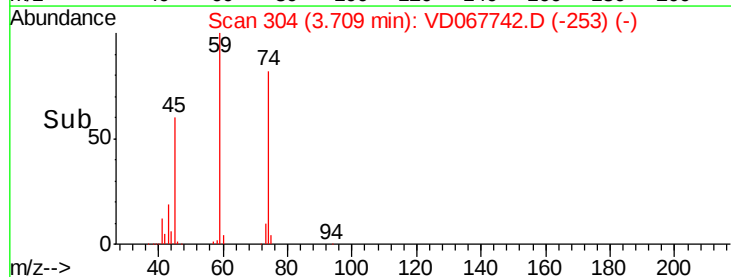
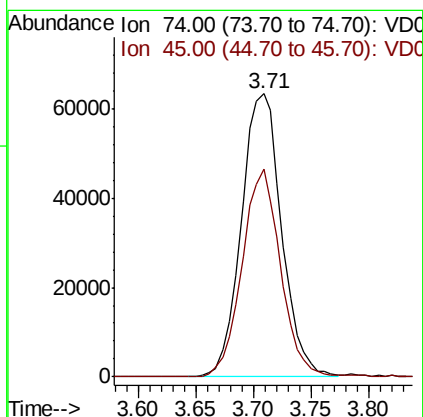
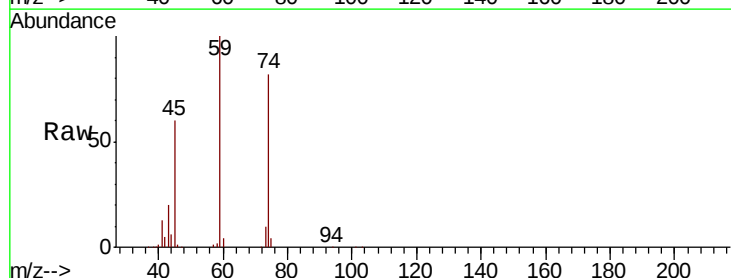
Tot Ion:101 Resp: 723100
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.3 75.5

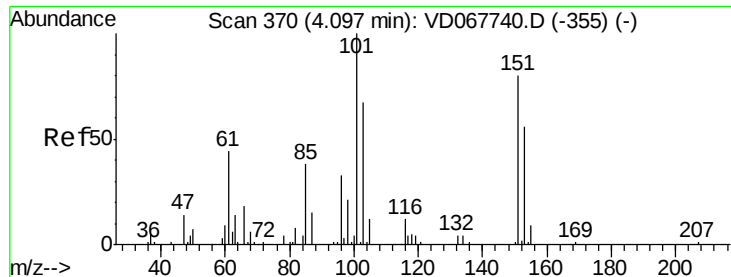


#8

Diethyl Ether
 Concen: 146.501 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 74 Resp: 153698
 Ion Ratio Lower Upper
 74 100
 45 70.2 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.168 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

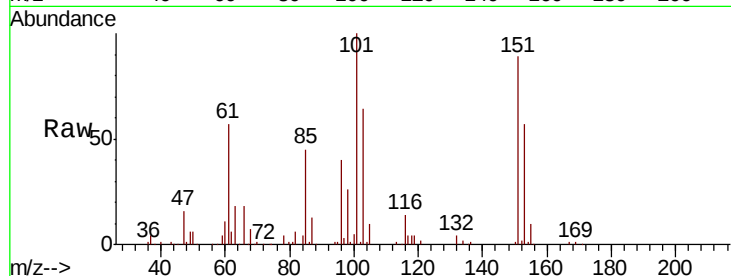
Tot Ion:101 Resp: 339737

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

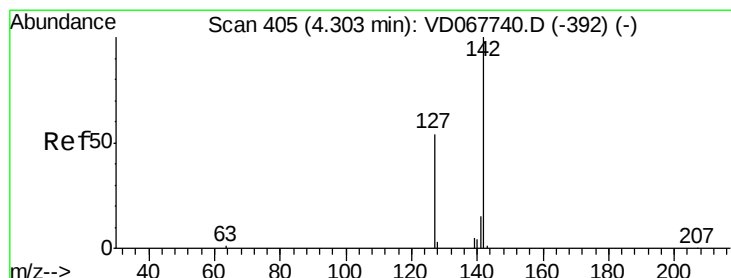
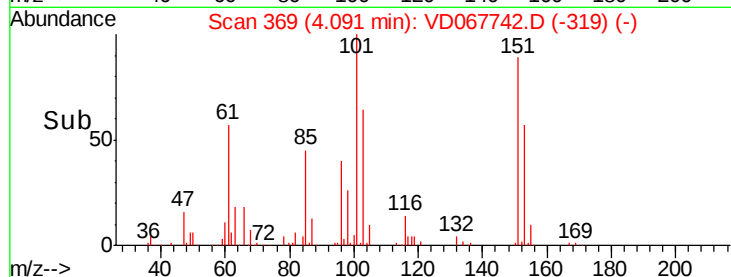
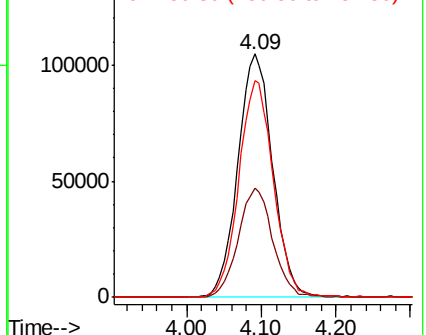
151 88.0 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 173.658 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

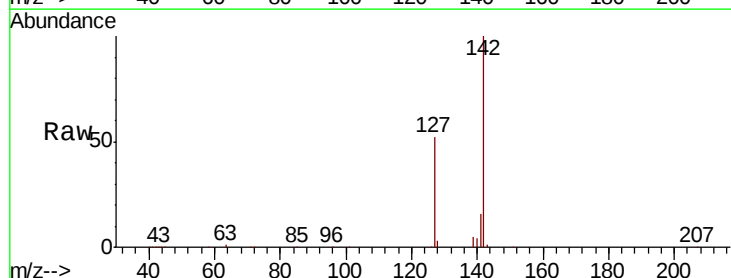
Tgt Ion:142 Resp: 441302

Ion Ratio Lower Upper

142 100

127 52.2 42.2 63.2

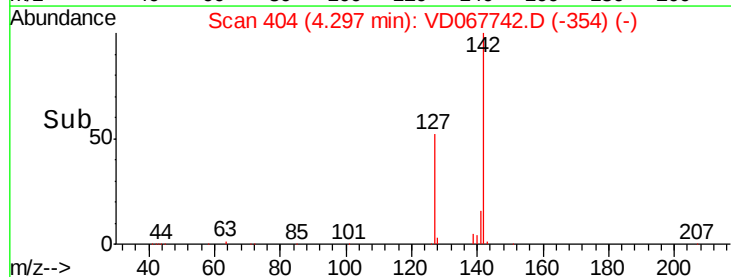
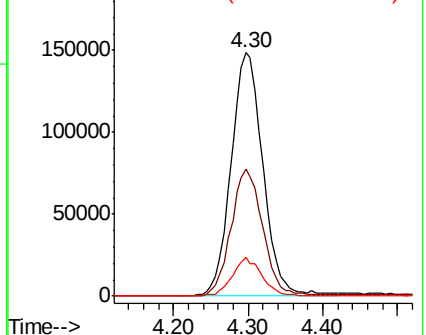
141 14.7 11.8 17.6

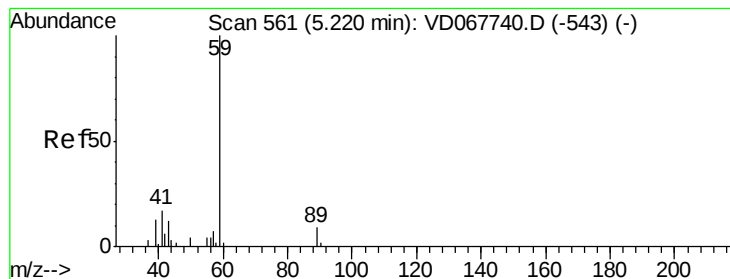


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 470.850 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

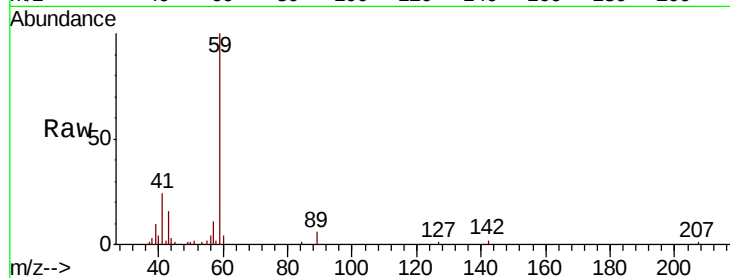
VSTDIC150

Tot Ion: 59 Resp: 94948

Ion Ratio Lower Upper

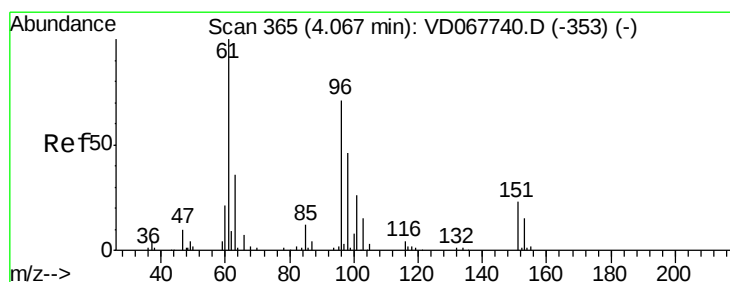
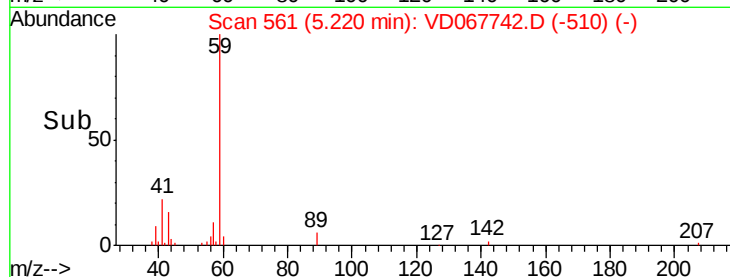
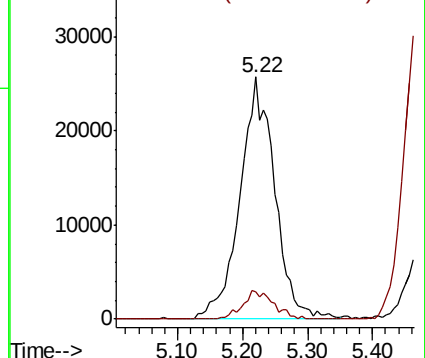
59 100

57 10.5 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 143.238 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

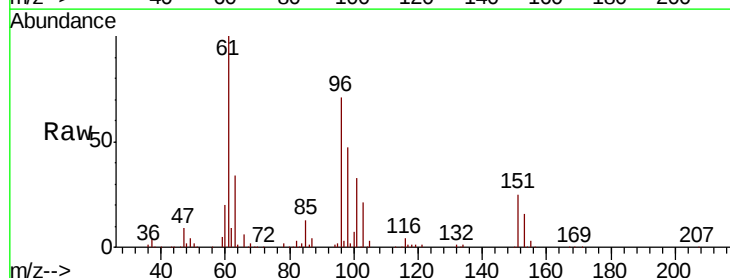
Tgt Ion: 96 Resp: 326282

Ion Ratio Lower Upper

96 100

61 141.3 112.9 169.3

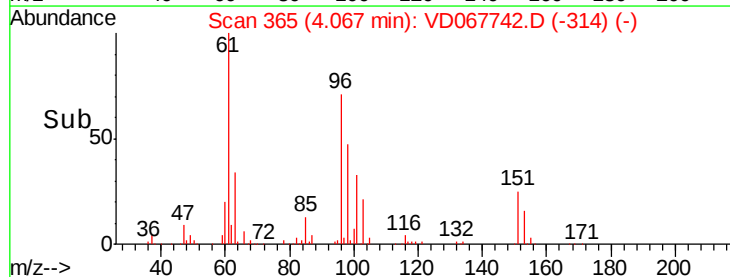
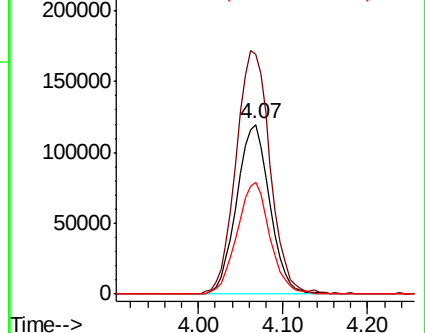
98 65.8 52.4 78.6

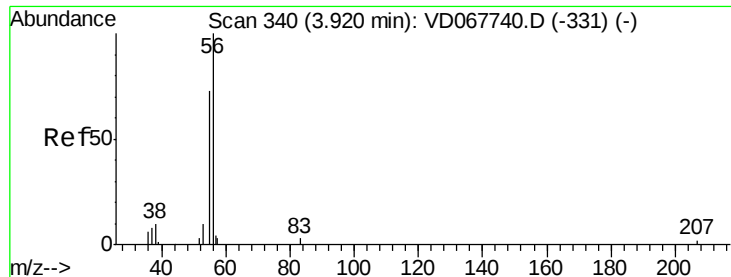


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 777.563 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

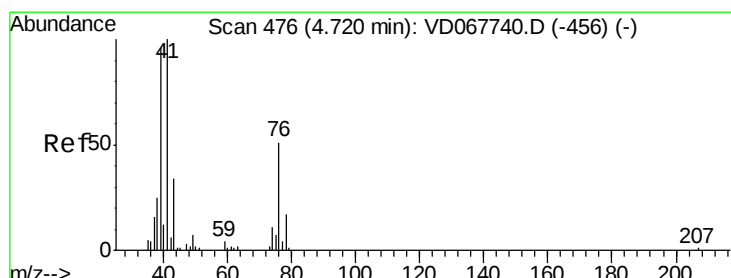
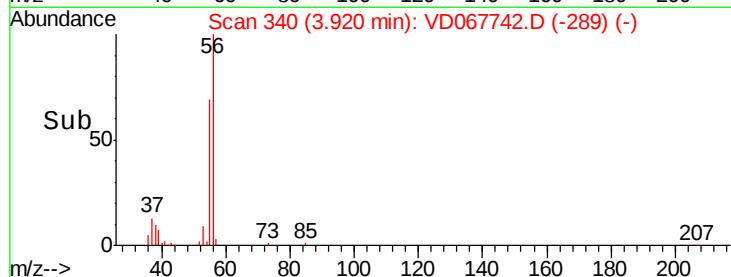
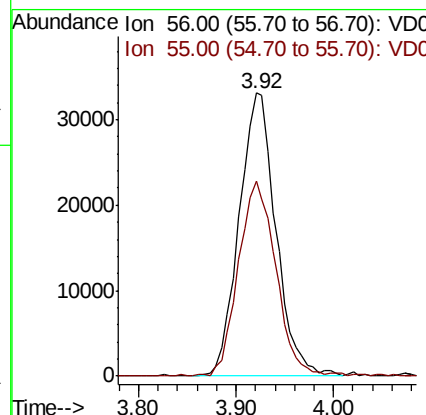
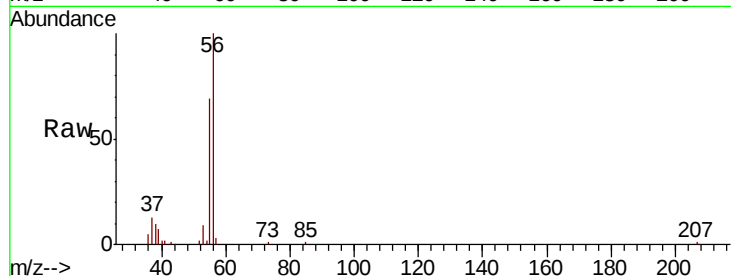
VSTDIC150

Tot Ion: 56 Resp: 86661

Ion Ratio Lower Upper

56 100

55 70.5 61.2 91.8



#14

Allyl chloride

Concen: 155.034 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

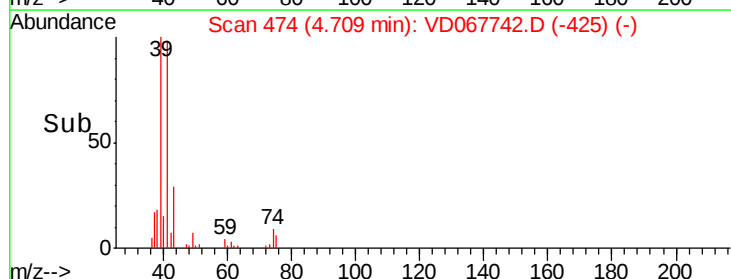
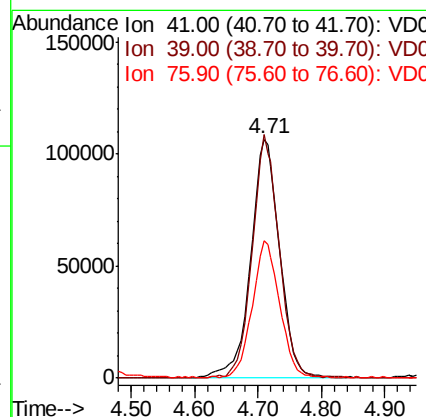
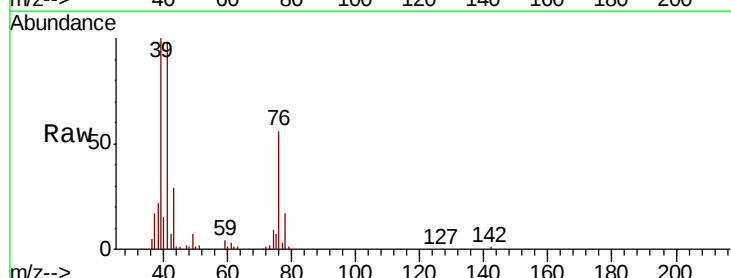
Tgt Ion: 41 Resp: 339335

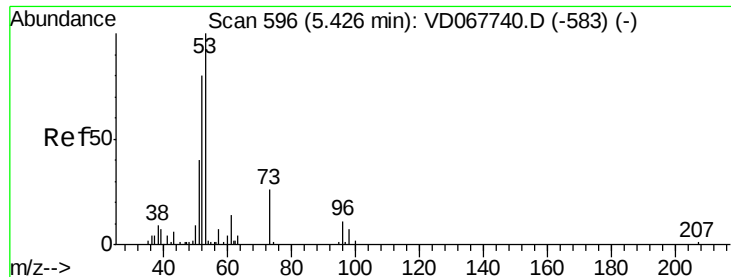
Ion Ratio Lower Upper

41 100

39 94.9 74.6 111.8

76 54.0 43.3 64.9





#15

Acrylonitrile

Concen: 746.925 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

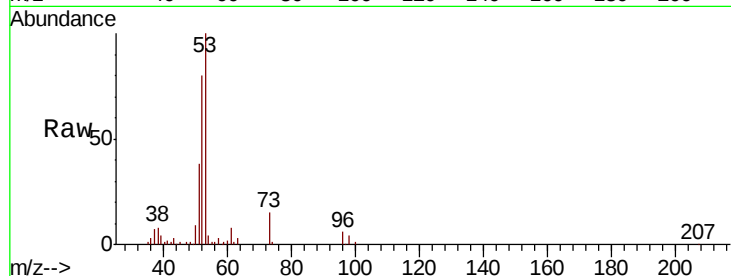
Tot Ion: 53 Resp: 265586

Ion Ratio Lower Upper

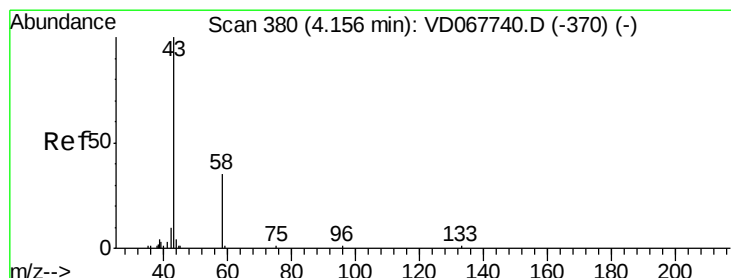
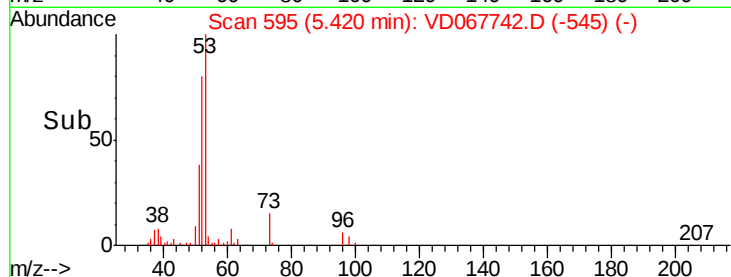
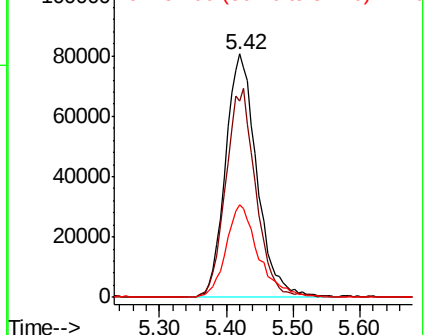
53 100

52 82.3 63.4 95.2

51 39.2 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 724.117 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067742.D

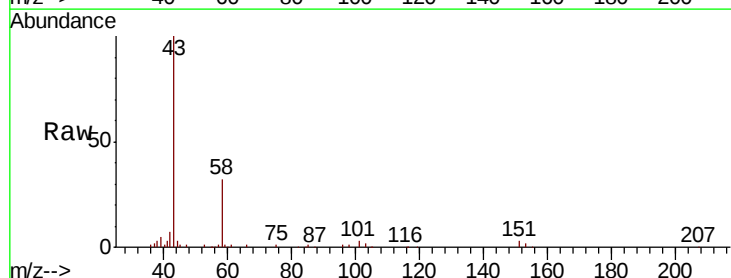
Acq: 23 Nov 2020 13:11

Tgt Ion: 43 Resp: 258999

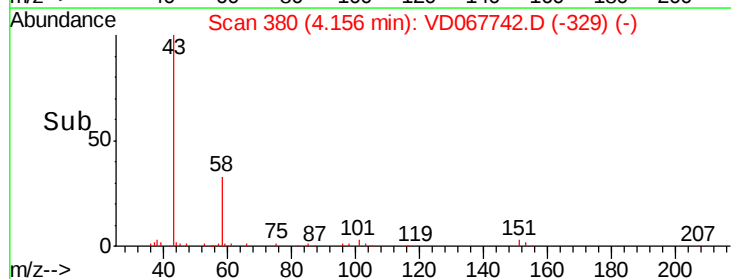
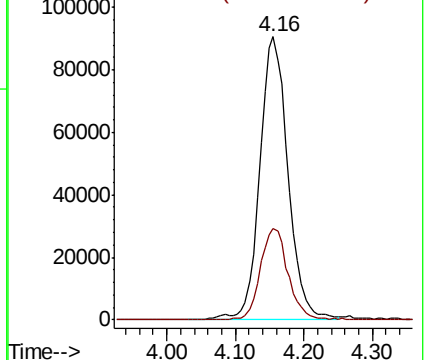
Ion Ratio Lower Upper

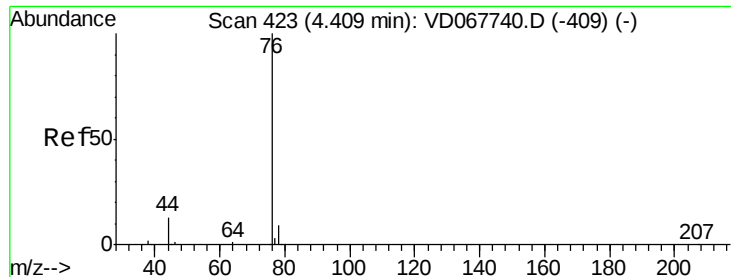
43 100

58 32.2 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 145.468 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

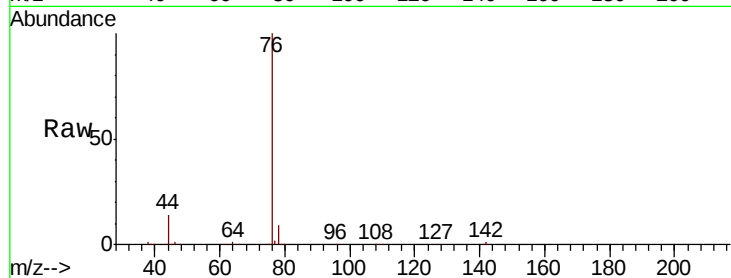
VSTDIC150

Tot Ion: 76 Resp: 971097

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

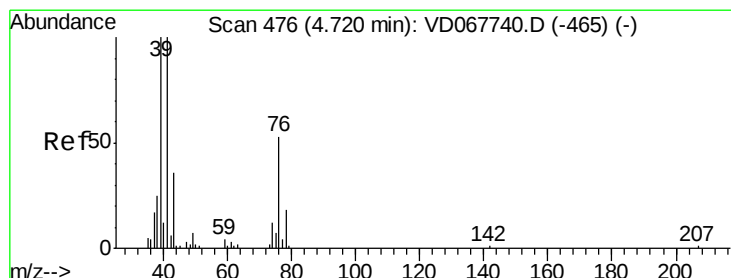
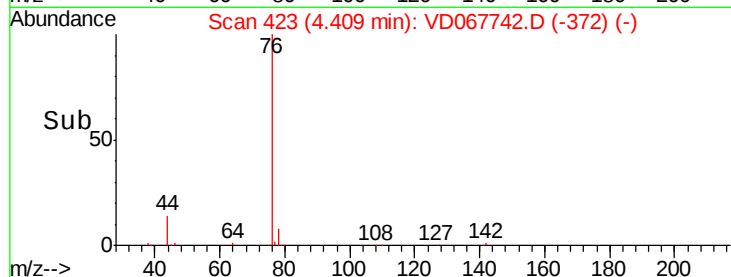
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 151.822 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067742.D

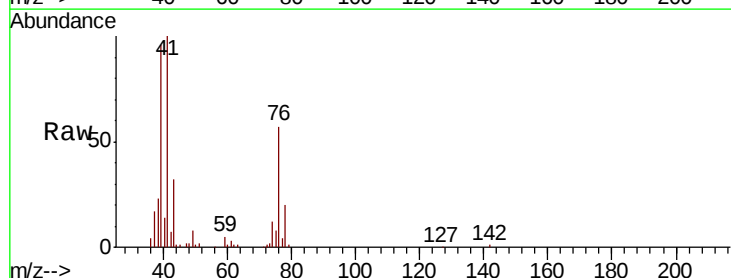
Acq: 23 Nov 2020 13:11

Tgt Ion: 43 Resp: 104797

Ion Ratio Lower Upper

43 100

74 34.8 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

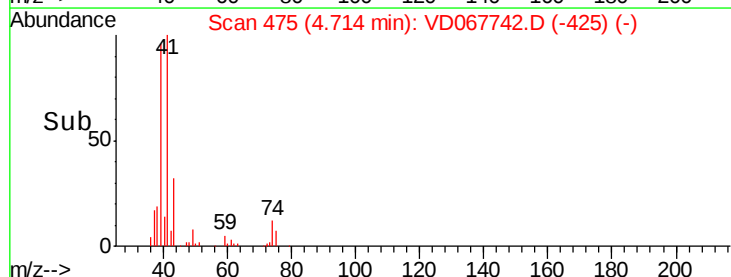
30000

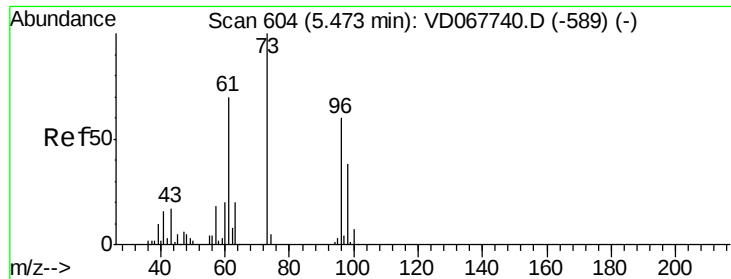
20000

10000

0

Time-->

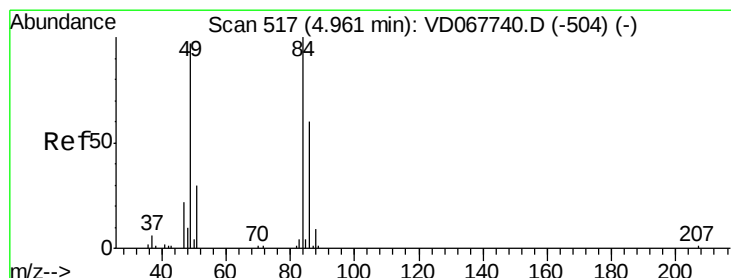
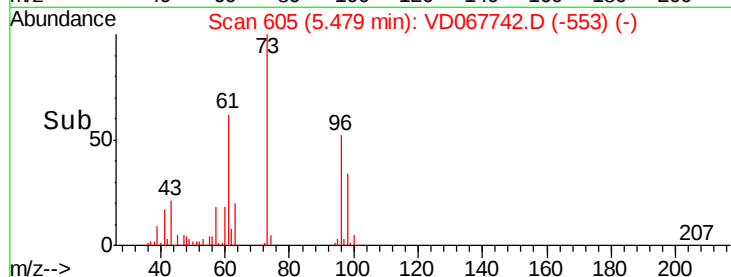
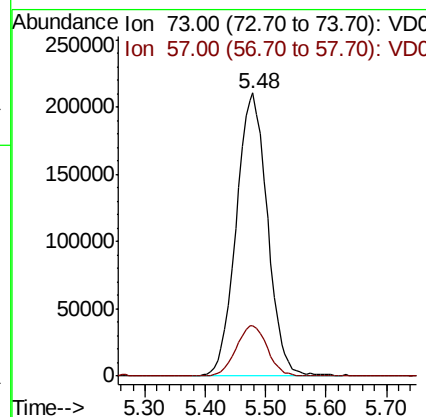
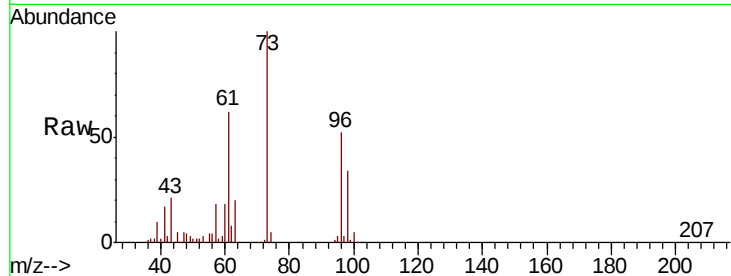




#19
Methvl tert-butvl Ether
Concen: 155.171 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

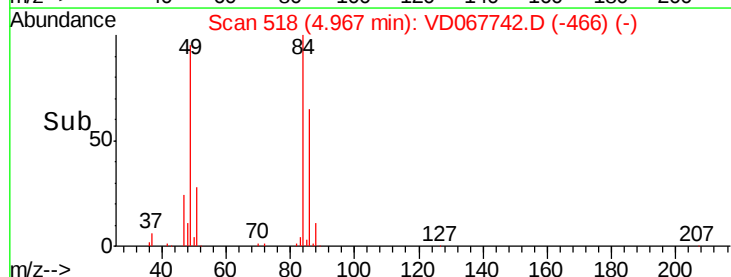
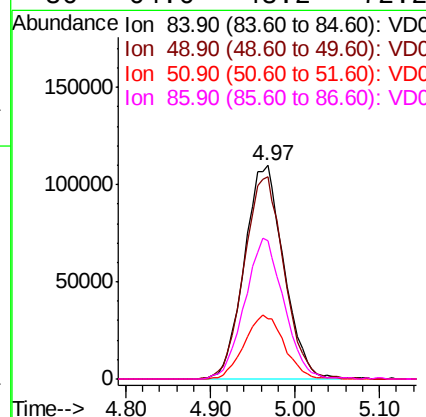
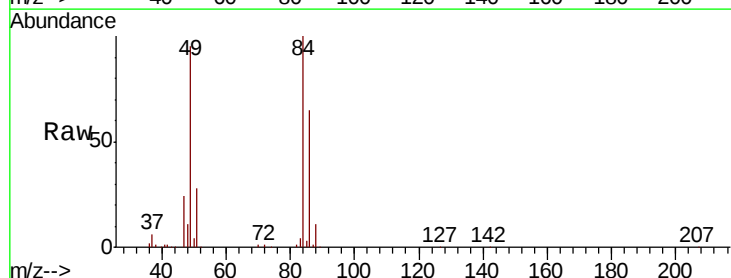
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

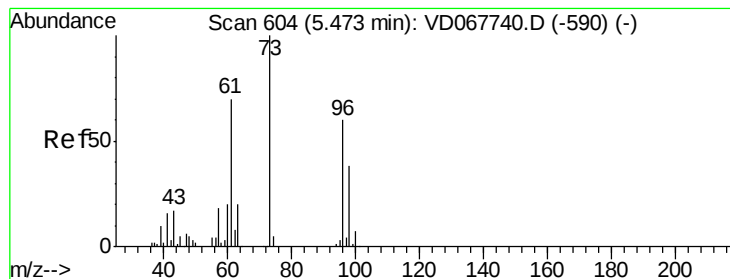
Tot Ion: 73 Resp: 755896
Ion Ratio Lower Upper
73 100
57 17.7 14.8 22.2



#20
Methylene Chloride
Concen: 100.660 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 84 Resp: 356927
Ion Ratio Lower Upper
84 100
49 94.9 77.4 116.2
51 28.2 24.1 36.1
86 64.6 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 145.442 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

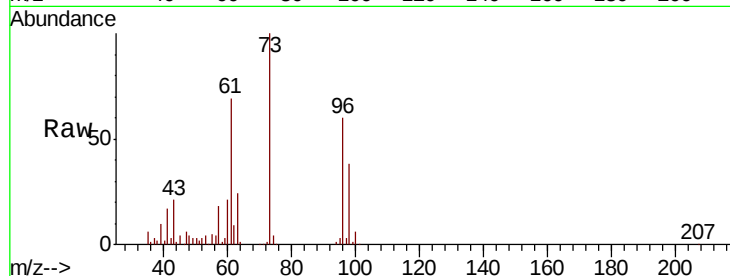
Tot Ion: 96 Resp: 370835

Ion Ratio Lower Upper

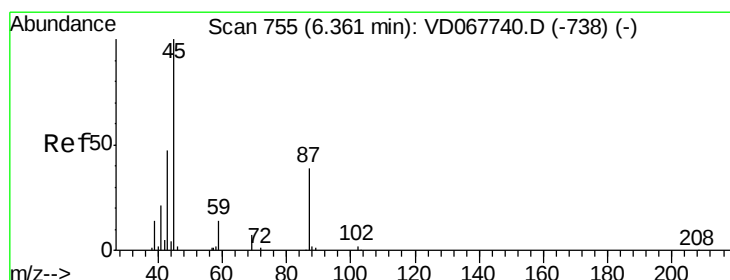
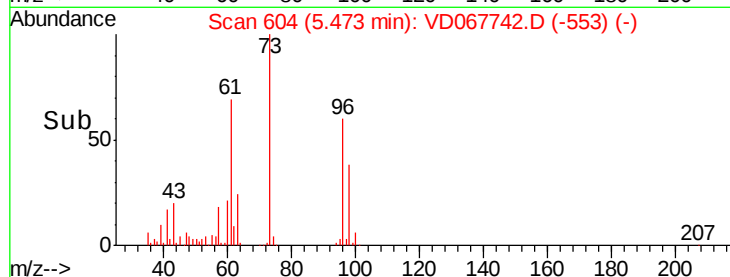
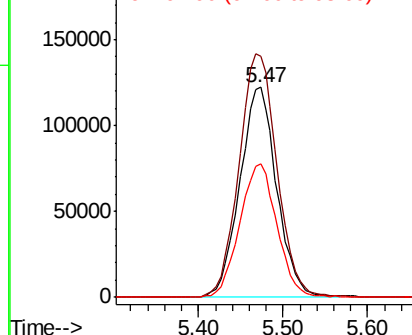
96 100

61 114.9 94.0 141.0

98 63.7 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 150.661 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Tgt Ion: 45 Resp: 649004

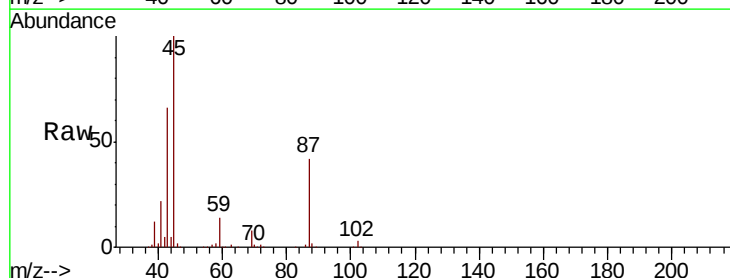
Ion Ratio Lower Upper

45 100

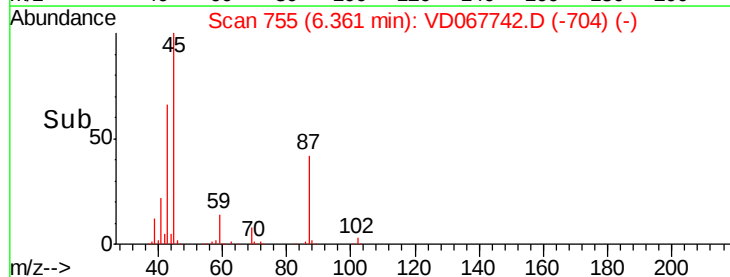
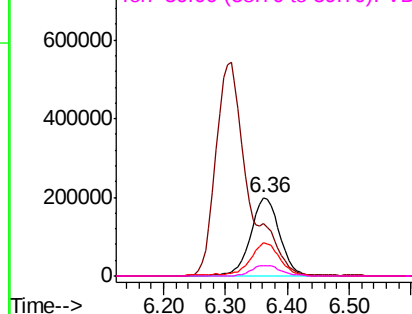
43 65.7 46.8 70.2

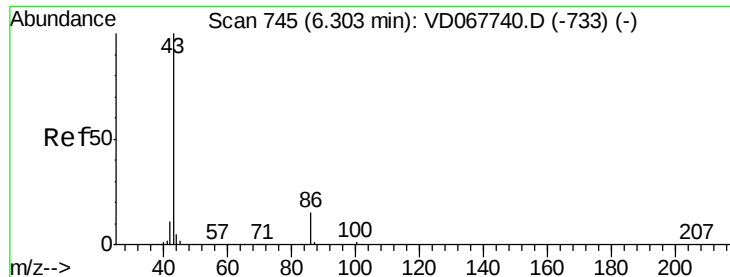
87 41.6 32.9 49.3

59 13.4 11.2 16.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

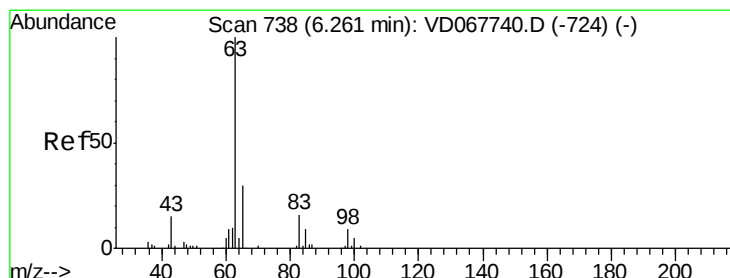
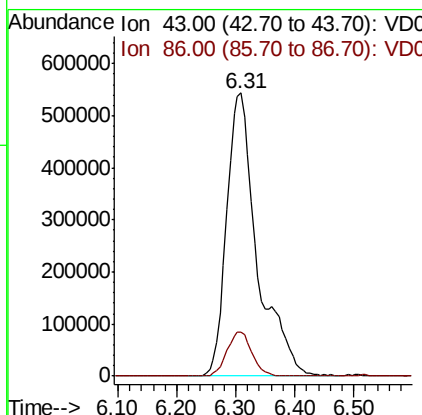
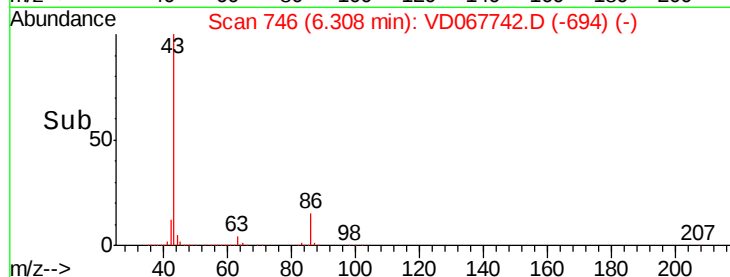
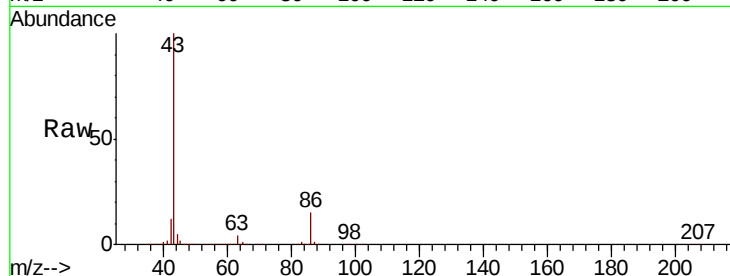




#23
 Vinyl Acetate
 Concen: 804.372 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

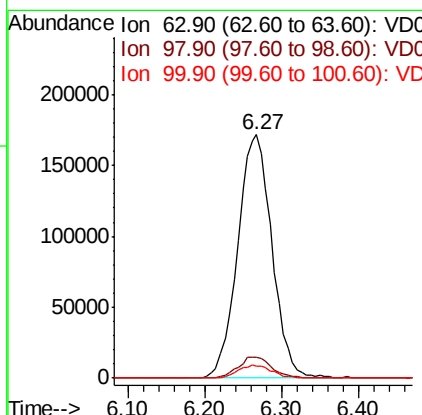
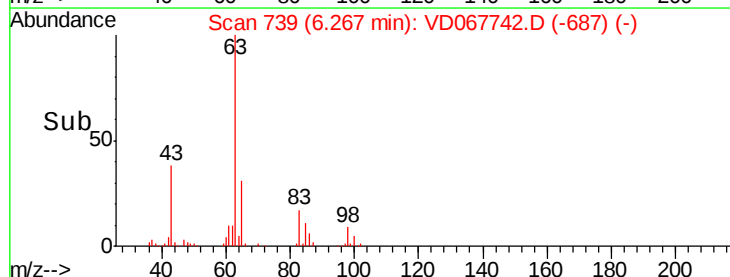
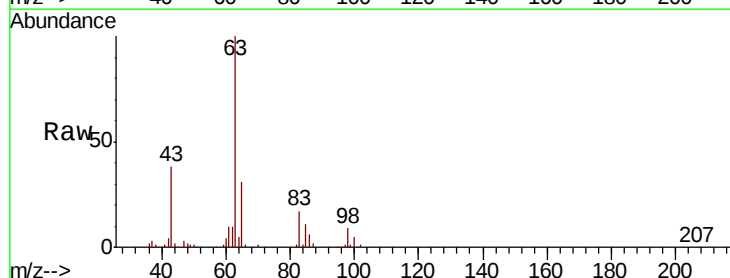
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

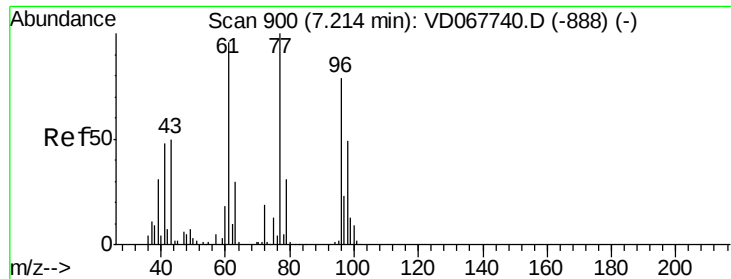
Tot Ion: 43 Resp: 1967497
 Ion Ratio Lower Upper
 43 100
 86 15.3 11.7 17.5



#24
 1,1-Dichloroethane
 Concen: 143.197 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 63 Resp: 533813
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.4 13.2
 100 4.9 2.6 8.0





#25

2-Butanone

Concen: 744.491 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

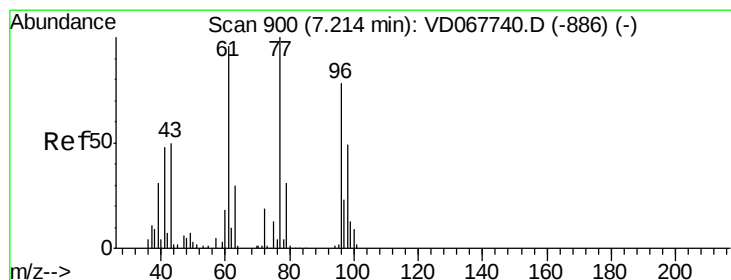
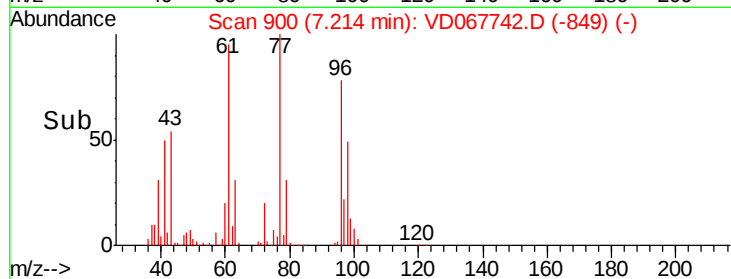
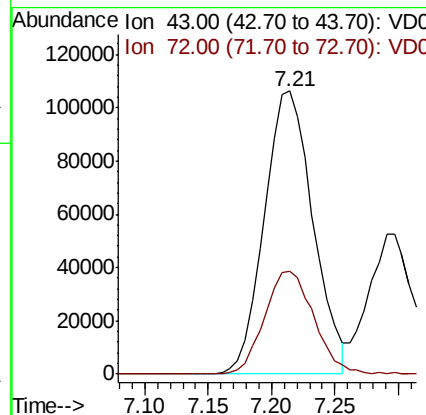
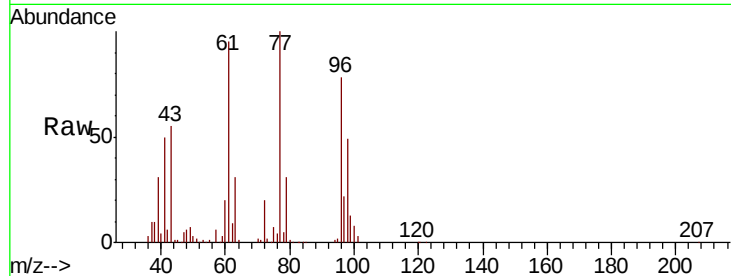
VSTDIC150

Tot Ion: 43 Resp: 284312

Ion Ratio Lower Upper

43 100

72 36.2 30.8 46.2



#26

2,2-Dichloropropane

Concen: 138.650 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067742.D

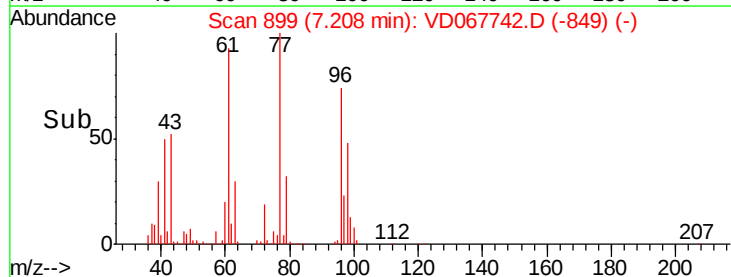
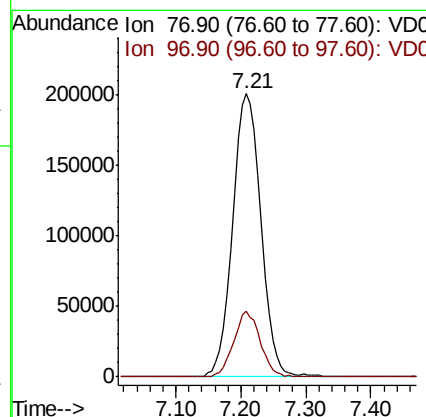
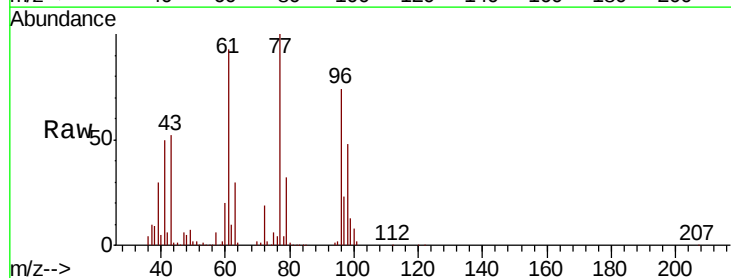
Acq: 23 Nov 2020 13:11

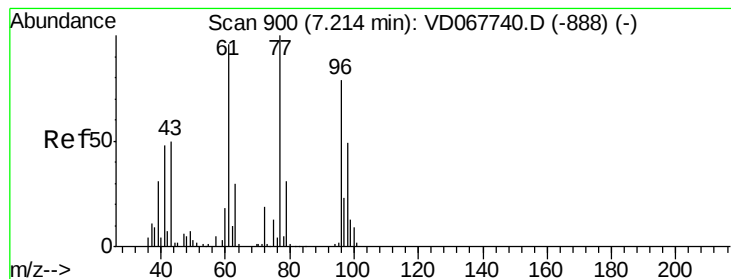
Tgt Ion: 77 Resp: 605193

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3



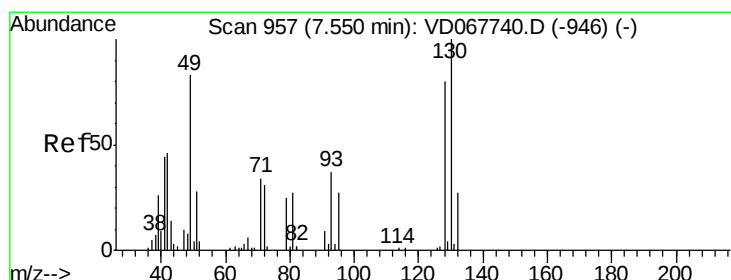
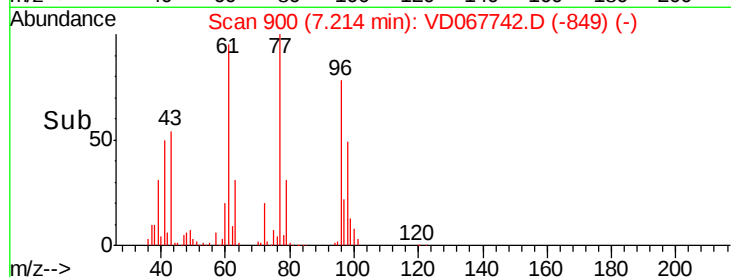
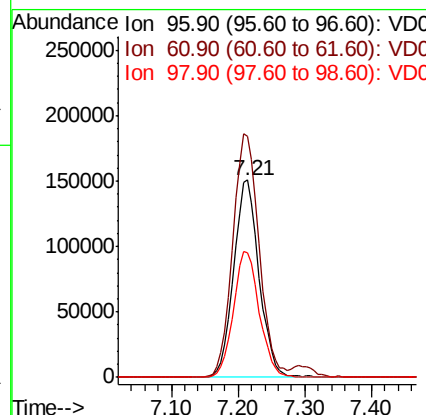
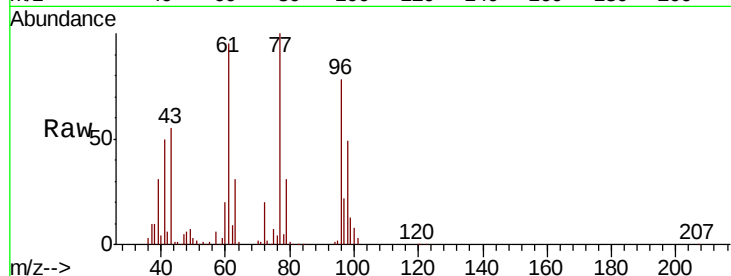


#27

cis-1,2-Dichloroethene
 Concen: 146.270 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

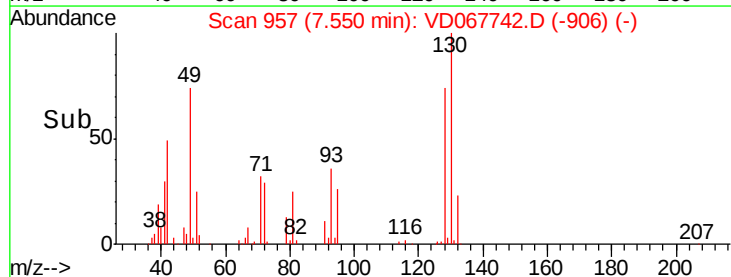
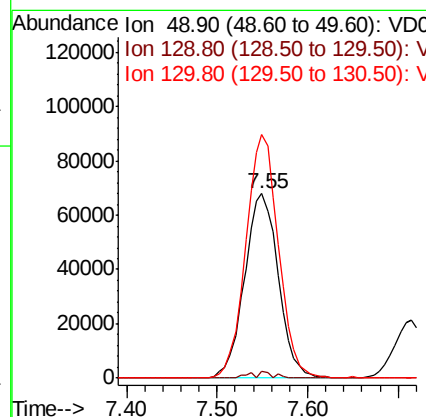
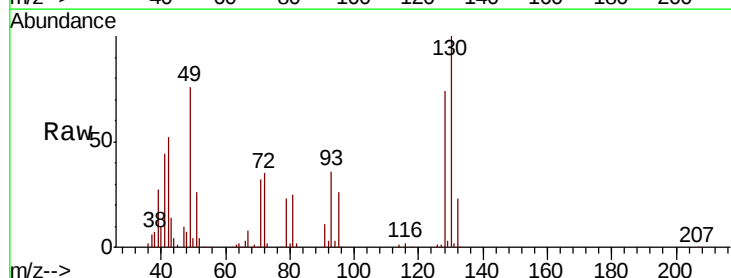
Tot Ion	96	Resp	402499
Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	258.0
98	65.2	0.0	131.8

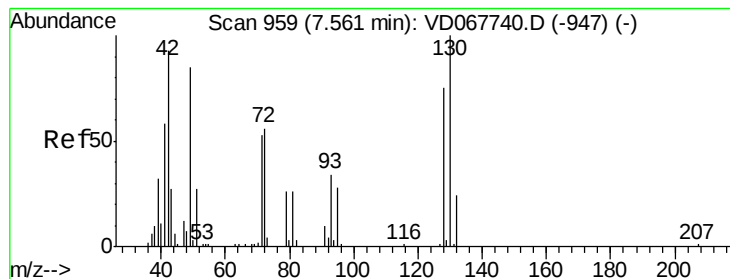


#28

Bromochloromethane
 Concen: 147.582 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion	49	Resp	175677
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	7.0
130	127.4	102.2	153.4





#29

Tetrahydrofuran

Concen: 749.482 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

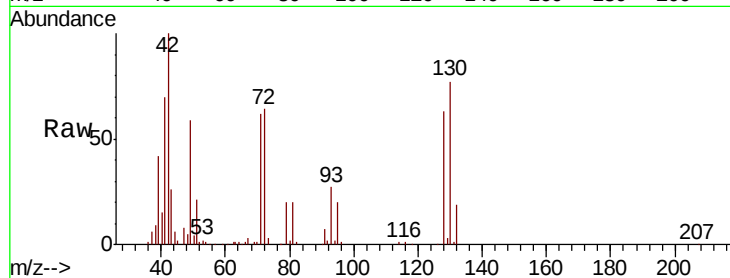
Tot Ion: 42 Resp: 167772

Ion Ratio Lower Upper

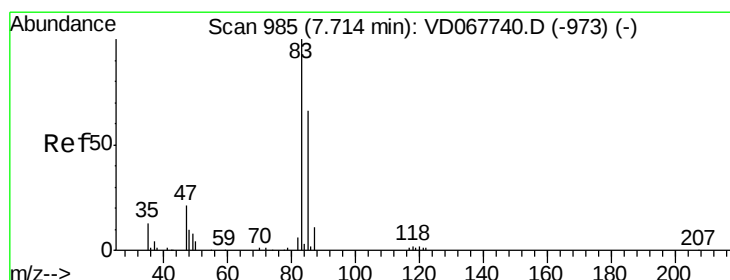
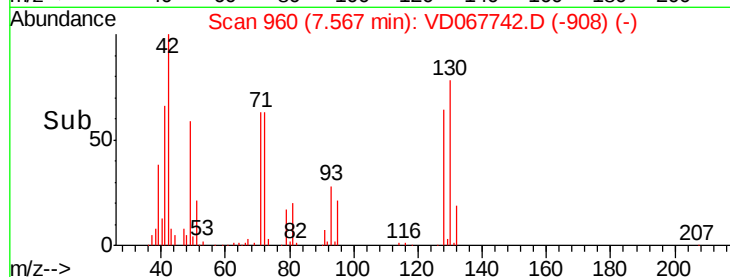
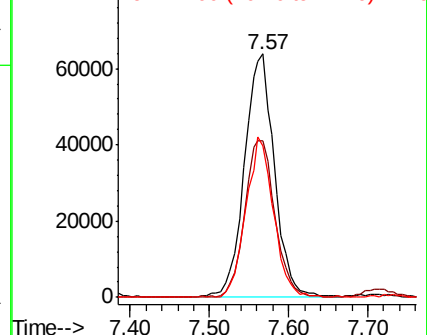
42 100

72 65.0 49.3 73.9

71 60.5 45.9 68.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 139.818 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067742.D

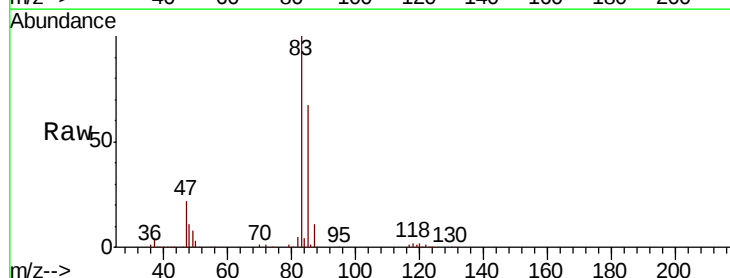
Acq: 23 Nov 2020 13:11

Tgt Ion: 83 Resp: 675977

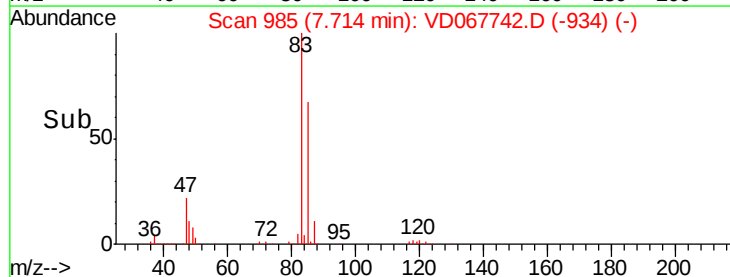
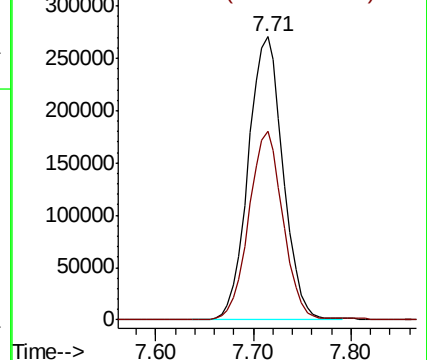
Ion Ratio Lower Upper

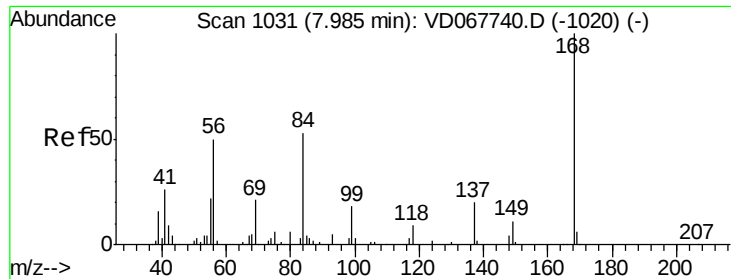
83 100

85 66.8 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

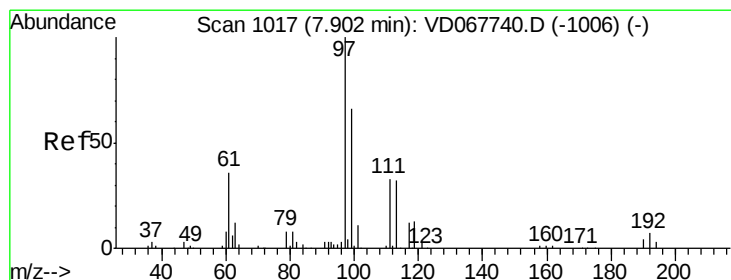
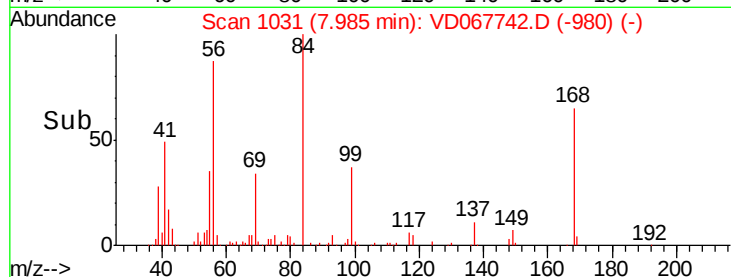
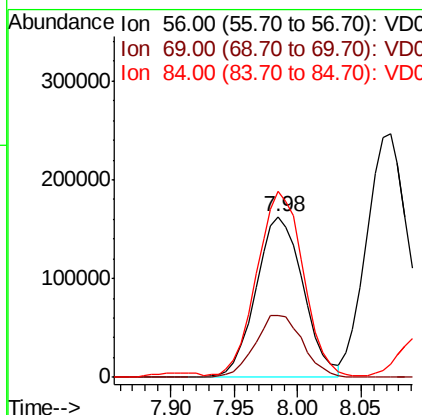
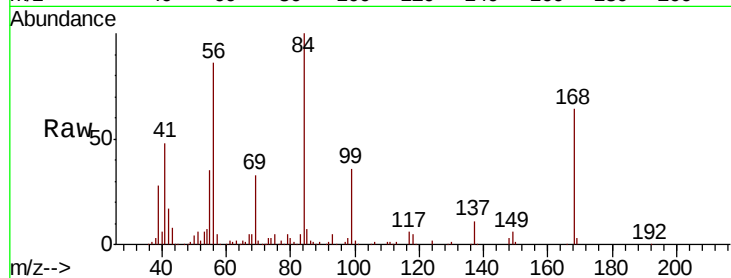




#31
Cyclohexane
Concen: 131.360 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

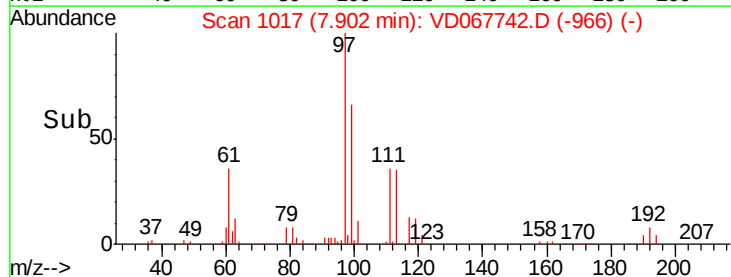
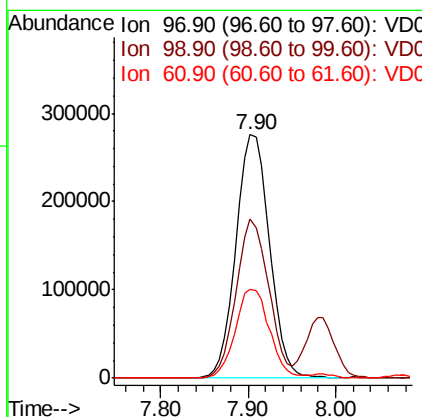
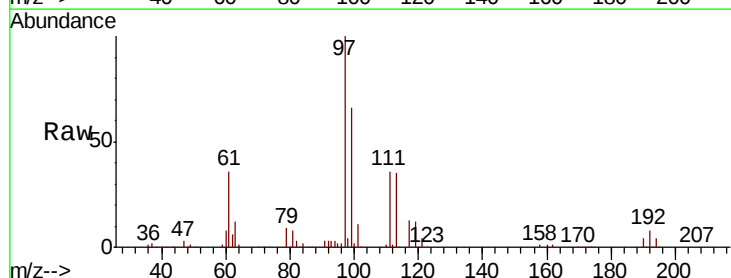
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

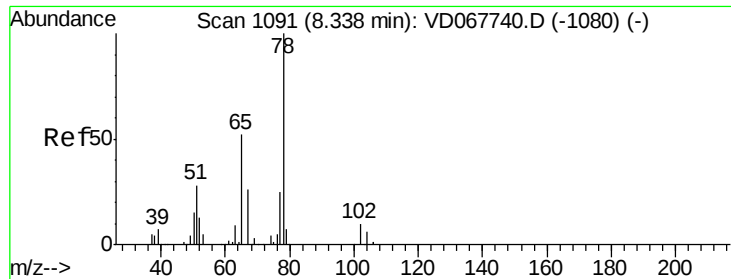
Tot Ion: 56 Resp: 423409
Ion Ratio Lower Upper
56 100
69 38.6 33.2 49.8
84 113.7 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 139.453 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 97 Resp: 718378
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 37.2 29.4 44.2

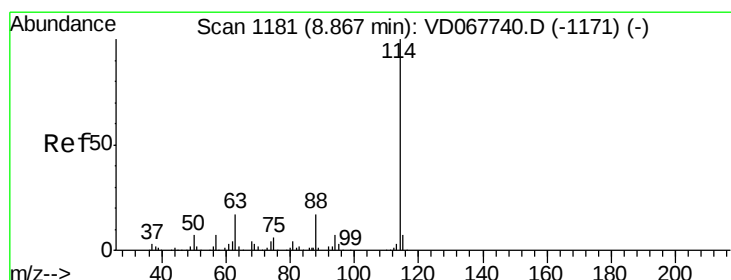
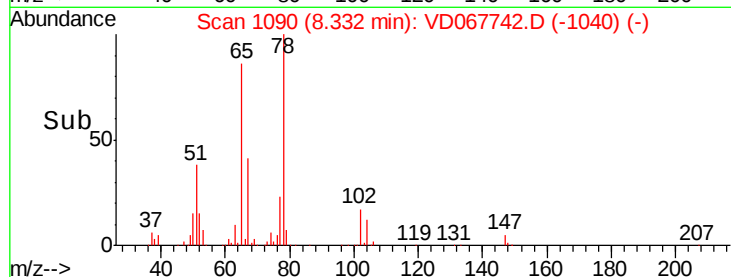
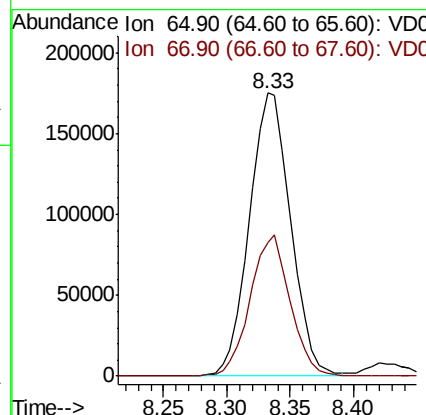
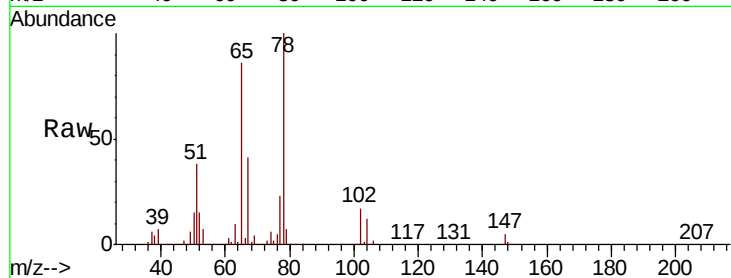




#33
 1,2-Dichloroethane-d4
 Concen: 147.136 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

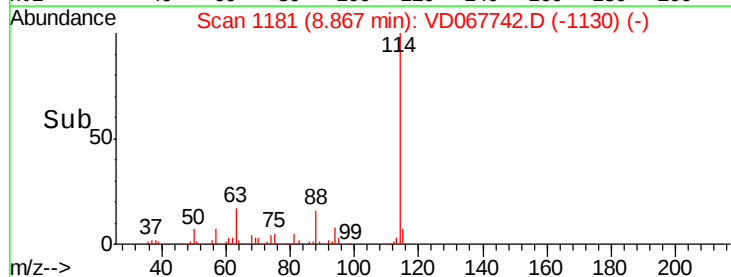
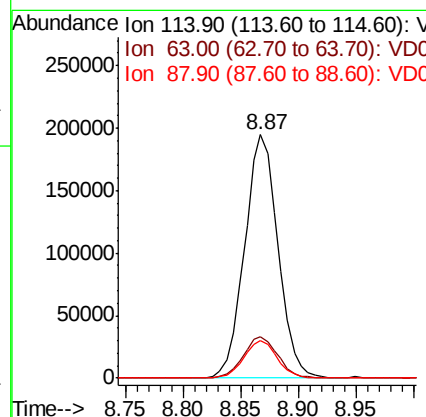
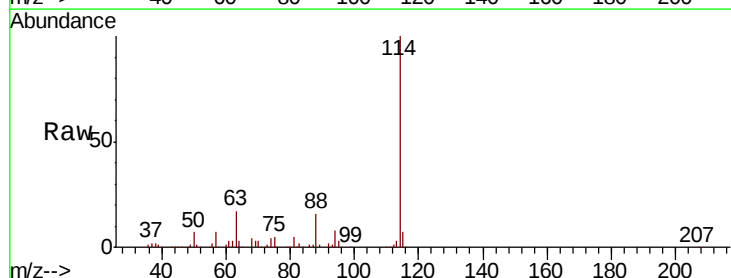
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

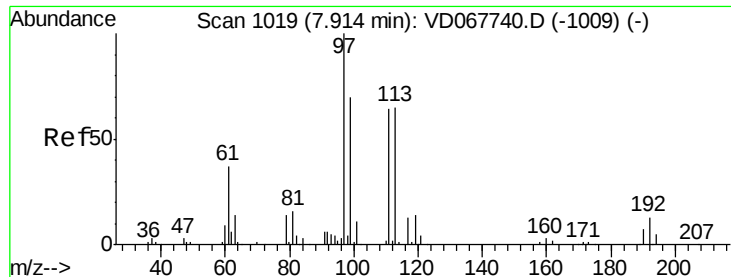
Tot Ion: 65 Resp: 397291
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 114 Resp: 391584
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 34.8
 88 15.5 0.0 34.4

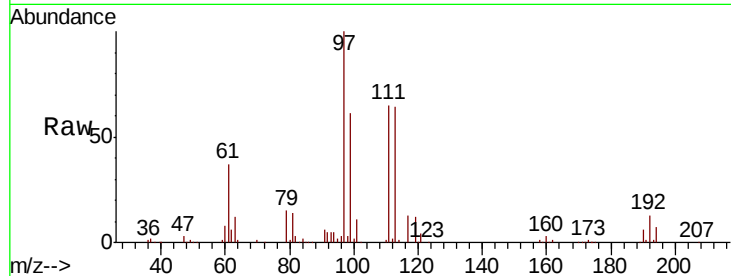




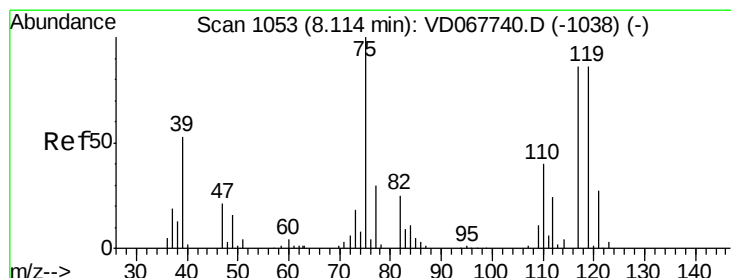
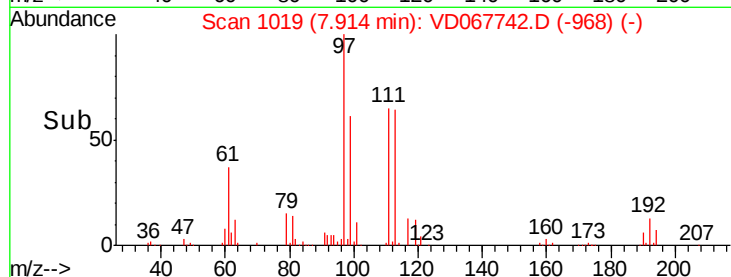
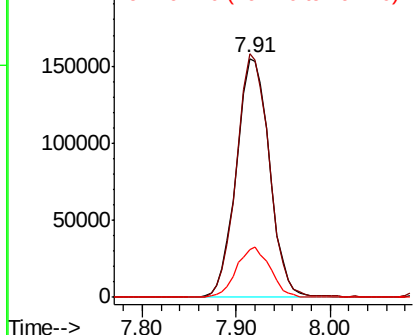
#35
 Dibromofluoromethane
 Concen: 151.562 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:113 Resp: 379952
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.4 122.0
 192 21.4 17.0 25.4

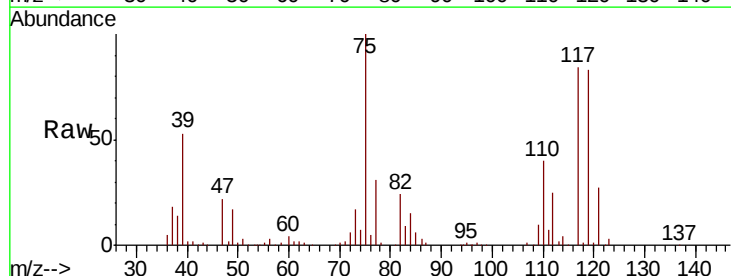


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

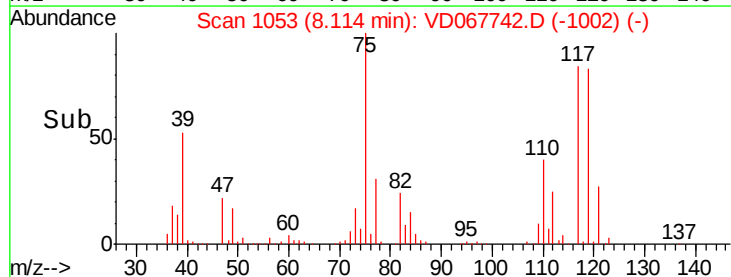
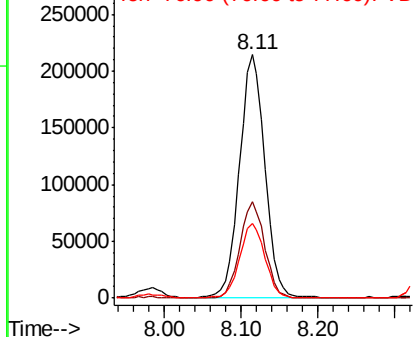


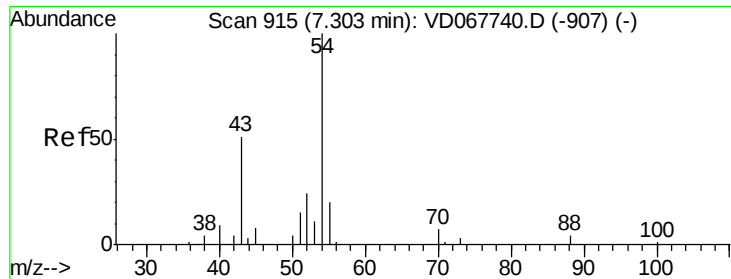
#36
 1,1-Dichloropropene
 Concen: 146.373 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 75 Resp: 496200
 Ion Ratio Lower Upper
 75 100
 110 38.6 20.1 60.2
 77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

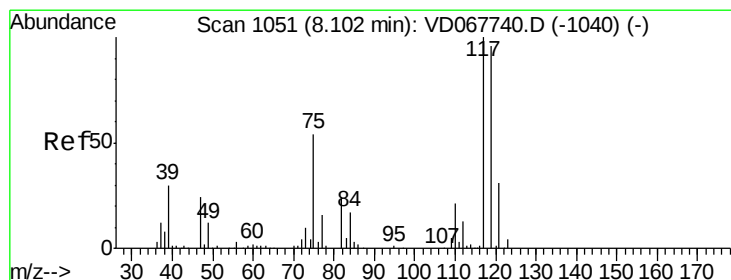
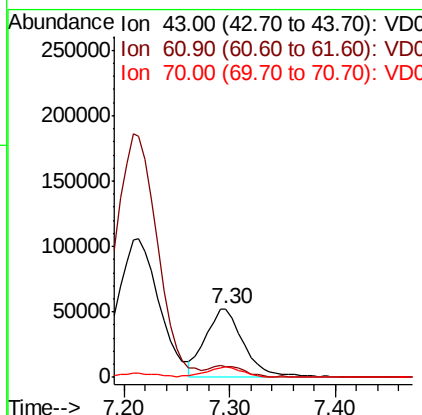
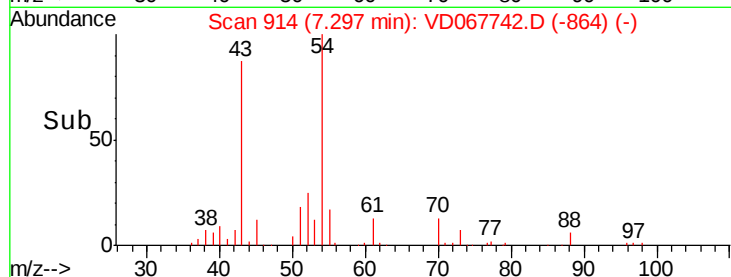
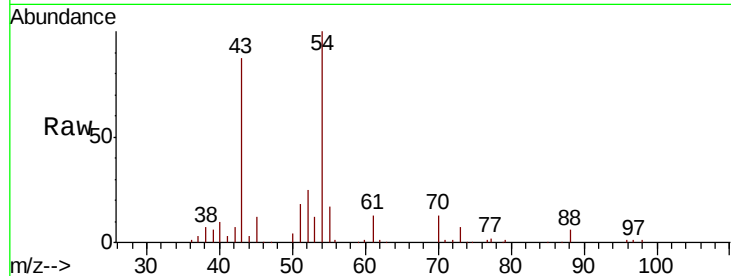




#37
Ethyl Acetate
Concen: 146.323 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

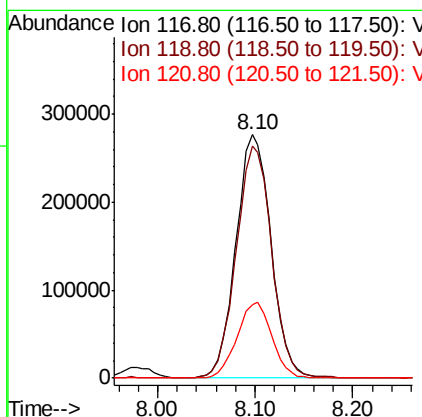
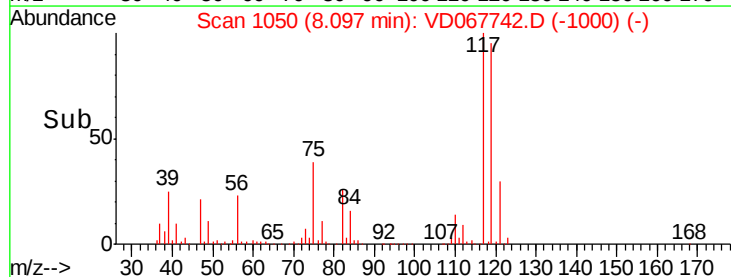
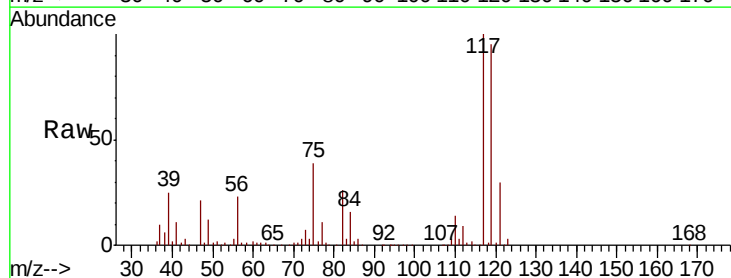
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC150

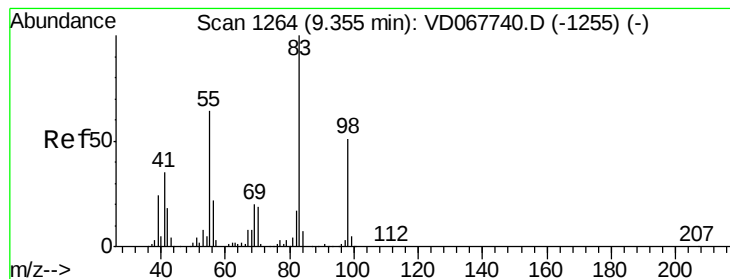
Tot Ion: 43 Resp: 130302
Ion Ratio Lower Upper
43 100
61 14.6 12.9 19.3
70 15.0 12.2 18.2



#38
Carbon Tetrachloride
Concen: 139.477 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 117 Resp: 693778
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0
121 30.4 24.5 36.7





#39

Methvlcvclohexane

Concen: 146.943 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

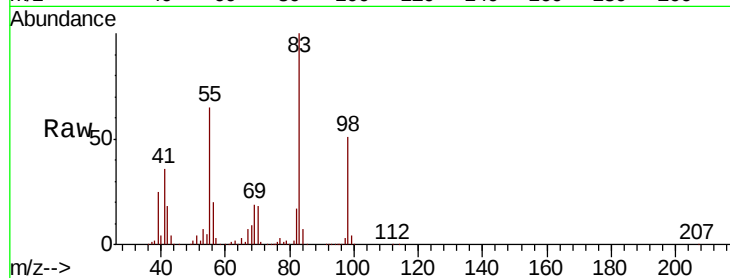
Tot Ion: 83 Resp: 591574

Ion Ratio Lower Upper

83 100

55 64.7 51.0 76.4

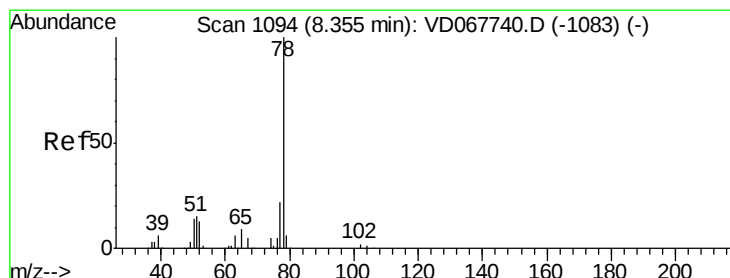
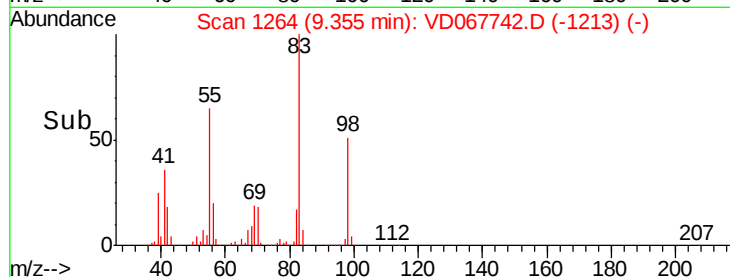
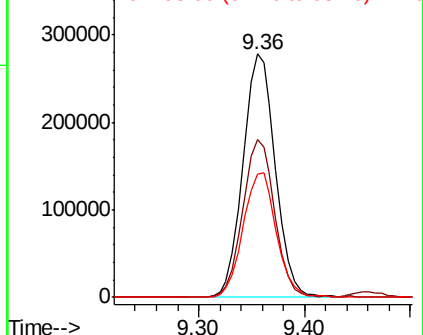
98 50.6 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 140.121 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067742.D

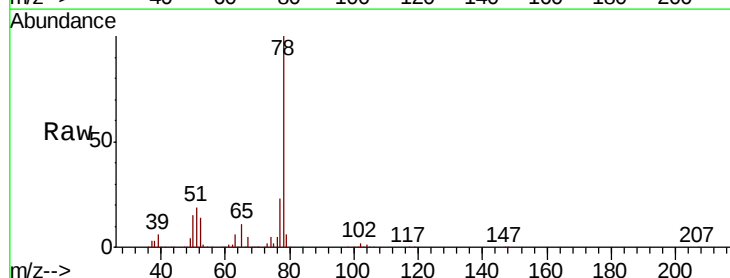
Acq: 23 Nov 2020 13:11

Tgt Ion: 78 Resp: 1309987

Ion Ratio Lower Upper

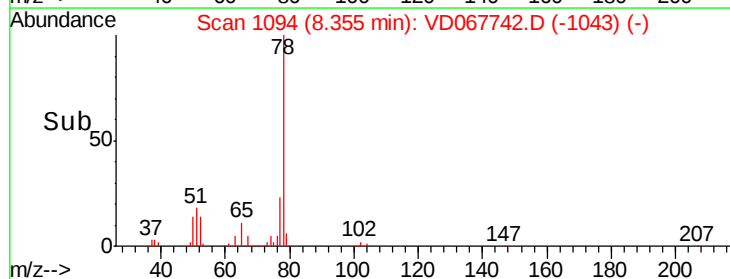
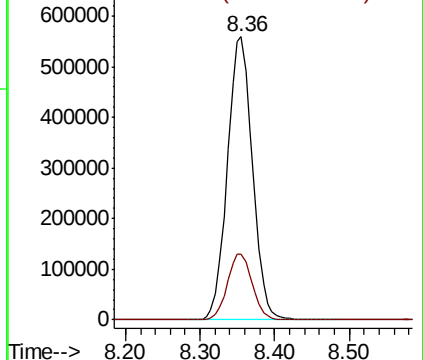
78 100

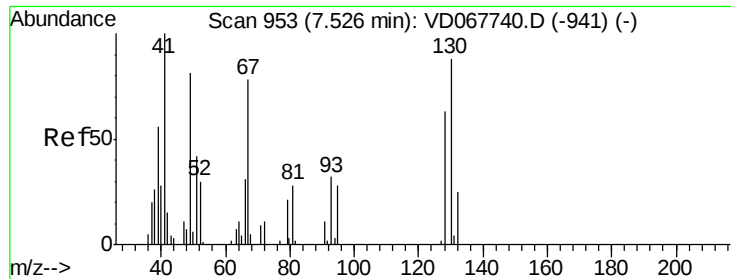
77 23.1 17.8 26.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

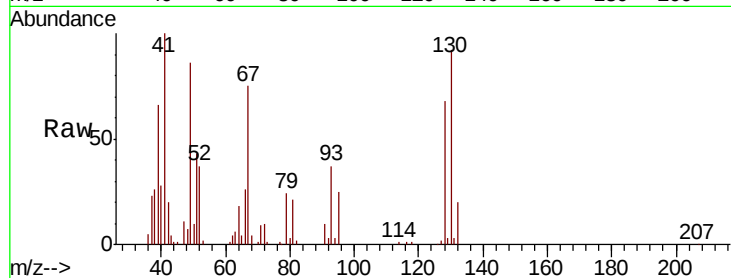




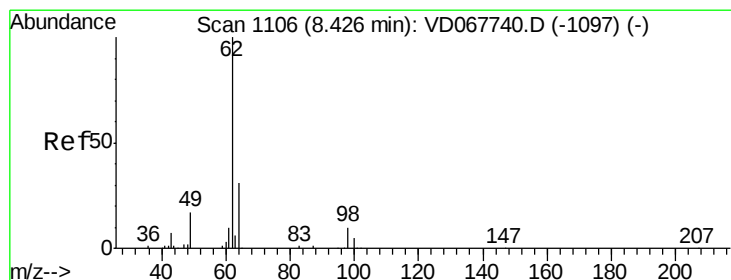
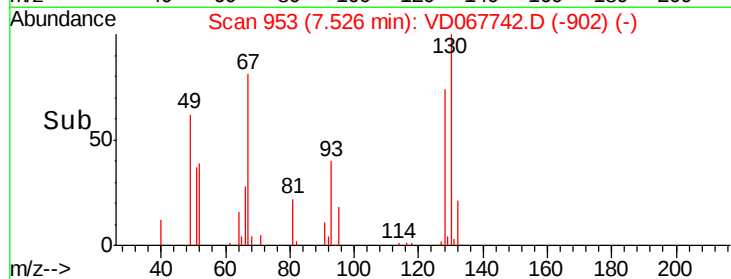
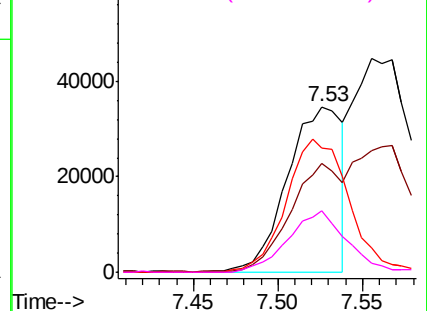
#41
Methacrylonitrile
Concen: 188.107 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	77798
Ion	Ratio	Lower	Upper
41	100		
39	61.6	50.2	75.4
67	92.8	79.0	118.6
52	40.0	32.4	48.6

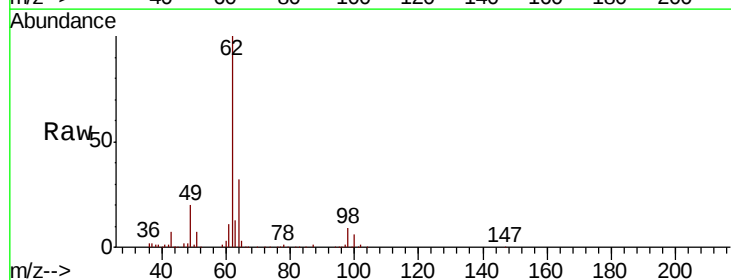


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

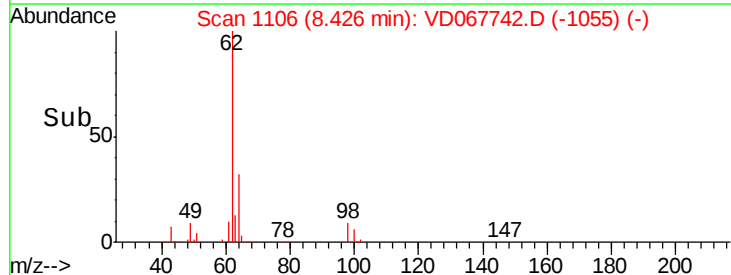
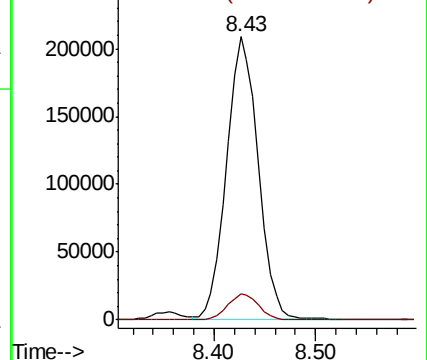


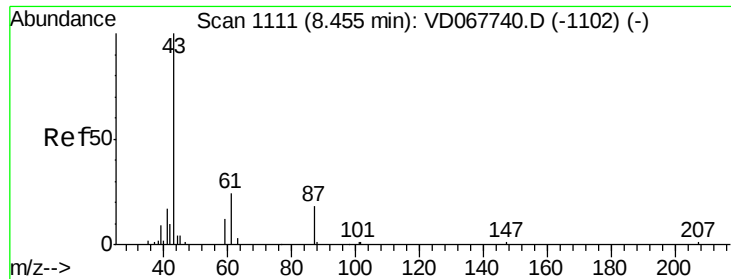
#42
1,2-Dichloroethane
Concen: 143.872 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:	62	Resp:	451877
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 156.545 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

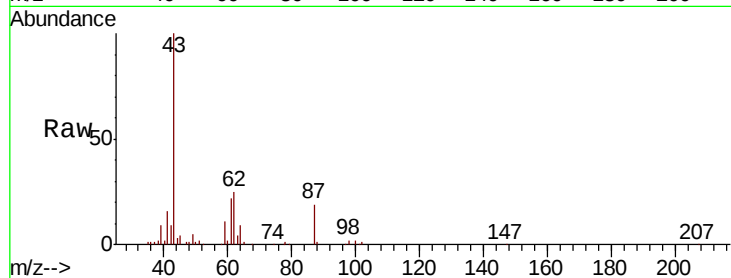
Tot Ion: 43 Resp: 282079

Ion Ratio Lower Upper

43 100

61 36.0 30.2 45.4

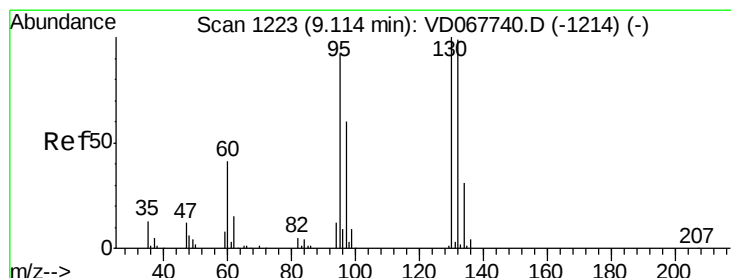
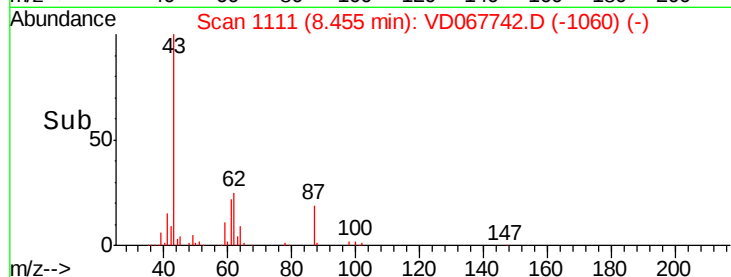
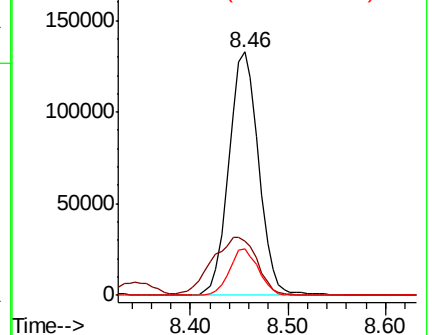
87 18.7 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 143.542 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067742.D

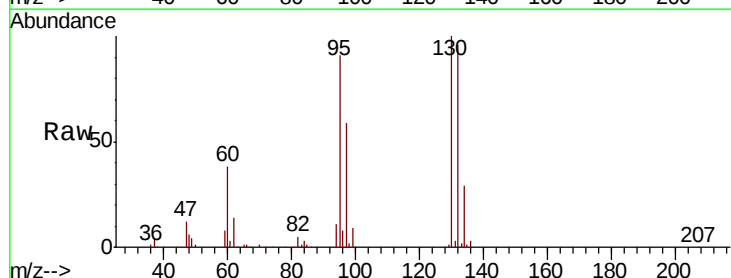
Acq: 23 Nov 2020 13:11

Tgt Ion:130 Resp: 447416

Ion Ratio Lower Upper

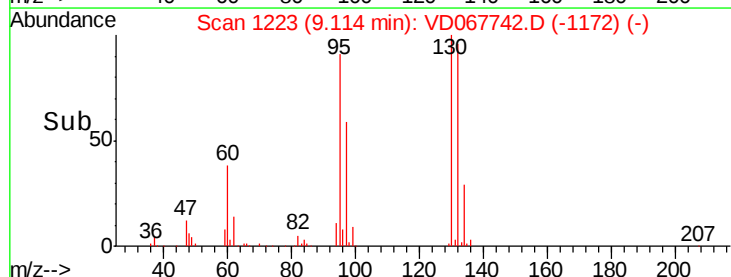
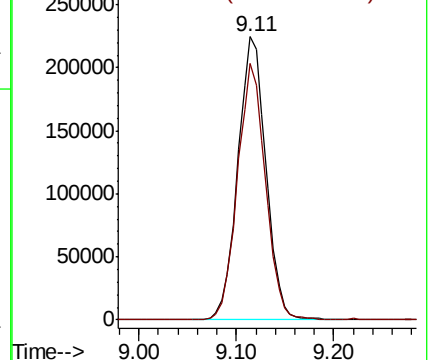
130 100

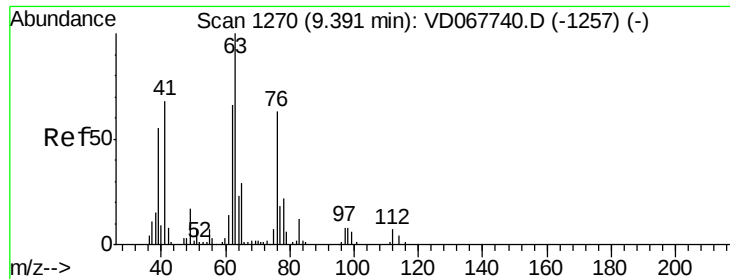
95 90.7 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

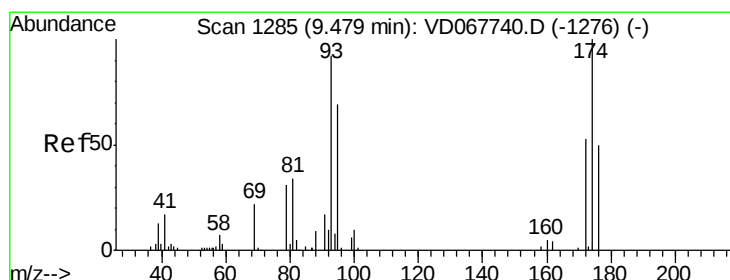
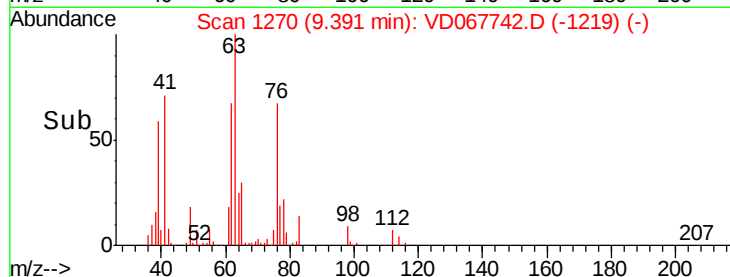
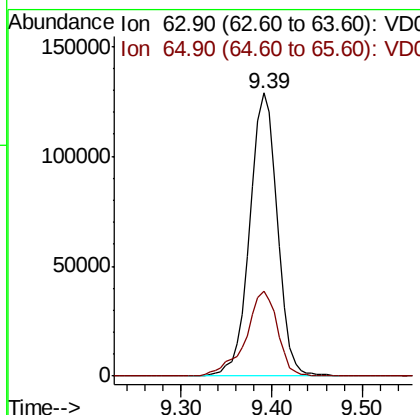
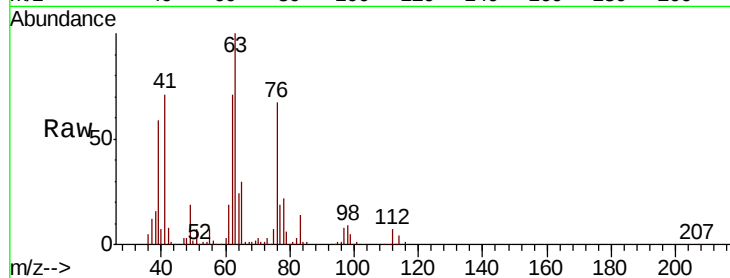




#45
 1,2-Dichloropropane
 Concen: 143.259 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

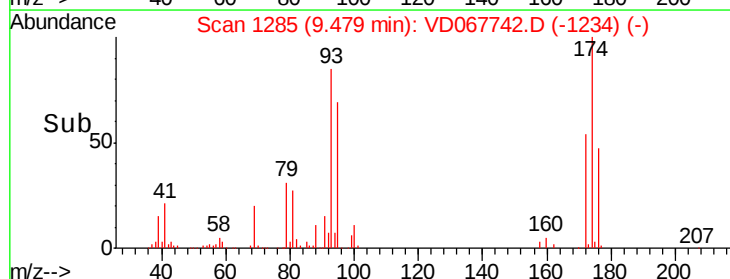
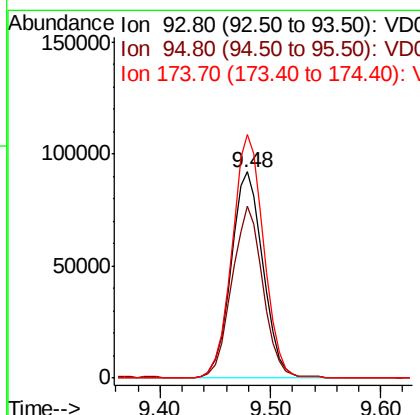
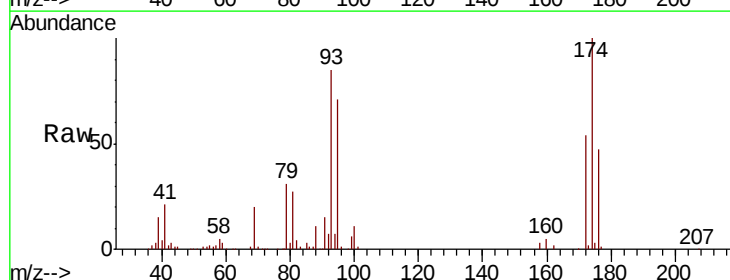
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

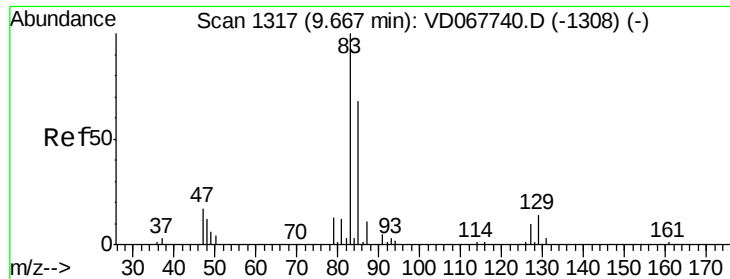
Tot Ion: 63 Resp: 272316
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.1 34.7



#46
 Dibromomethane
 Concen: 146.445 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 93 Resp: 186959
 Ion Ratio Lower Upper
 93 100
 95 81.6 63.4 95.2
 174 116.5 89.6 134.4





#47

Bromodichloromethane

Concen: 146.815 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

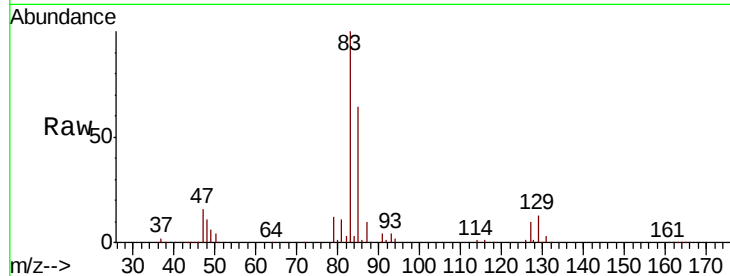
Tot Ion: 83 Resp: 529775

Ion Ratio Lower Upper

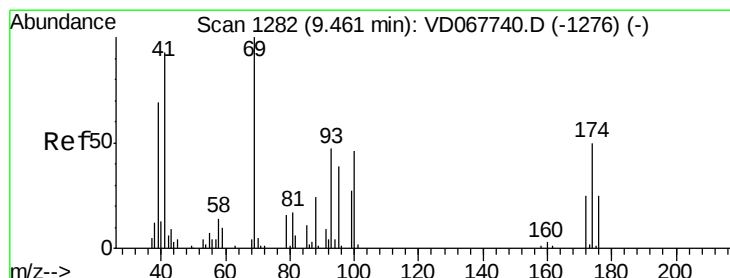
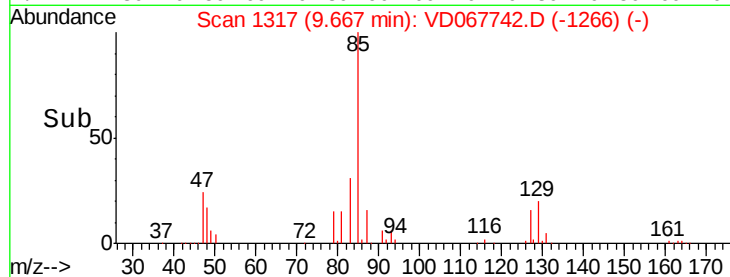
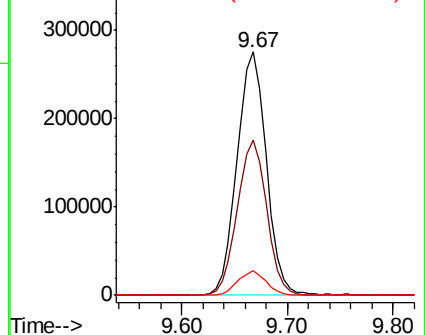
83 100

85 63.9 54.2 81.2

127 9.9 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 154.500 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

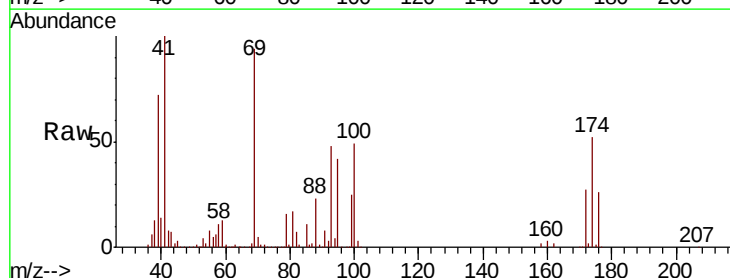
Tgt Ion: 41 Resp: 137906

Ion Ratio Lower Upper

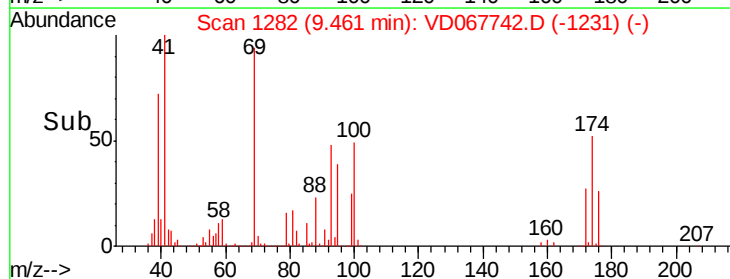
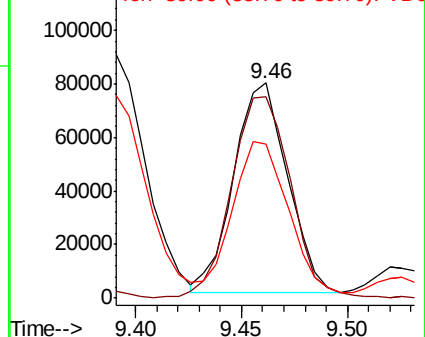
41 100

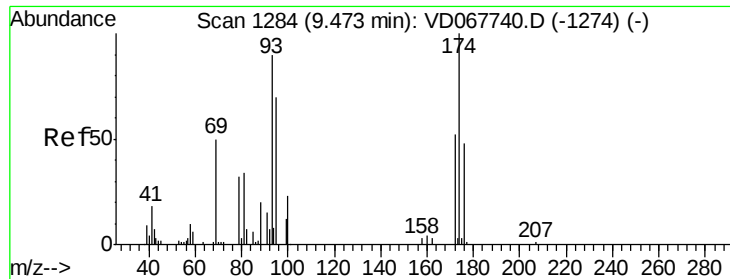
69 105.6 87.8 131.6

39 74.4 60.5 90.7



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 3030.259 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

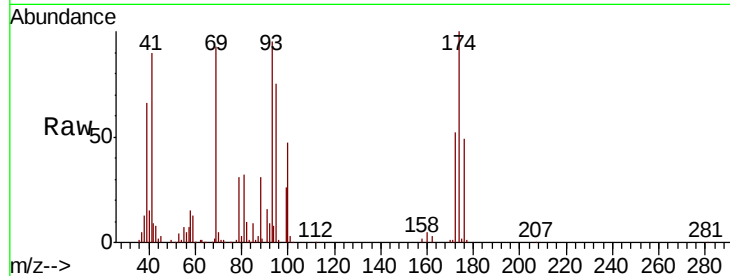
Tot Ion: 88 Resp: 41959

Ion Ratio Lower Upper

88 100

43 27.5 25.2 37.8

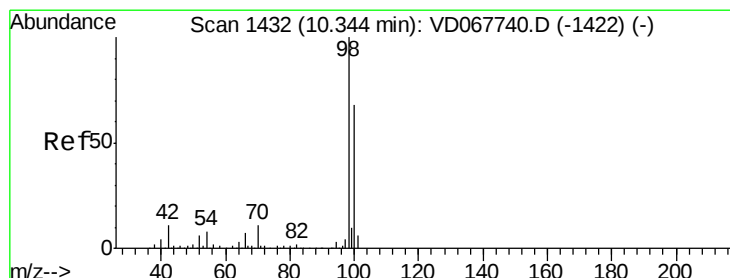
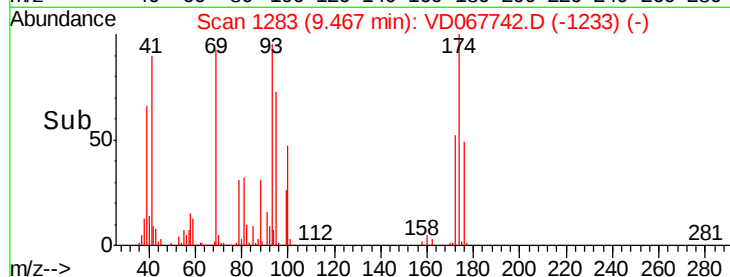
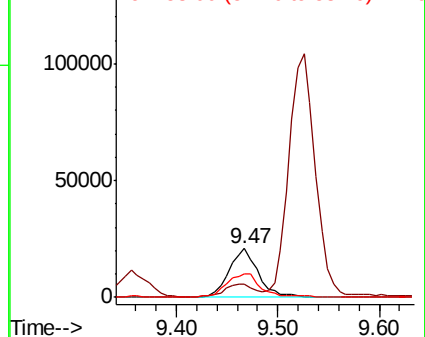
58 53.8 48.2 72.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 148.019 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067742.D

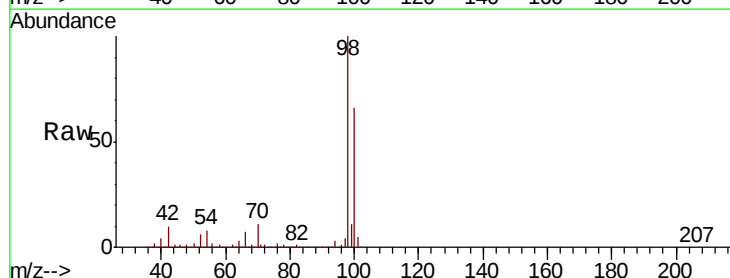
Acq: 23 Nov 2020 13:11

Tgt Ion: 98 Resp: 1346779

Ion Ratio Lower Upper

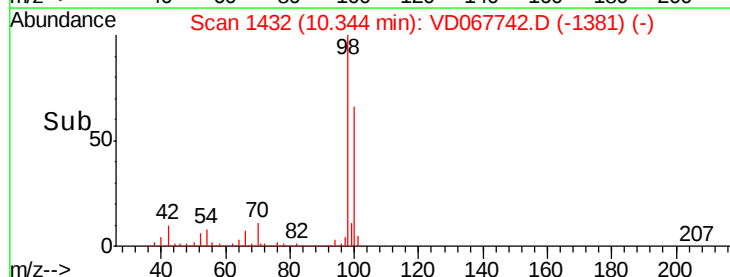
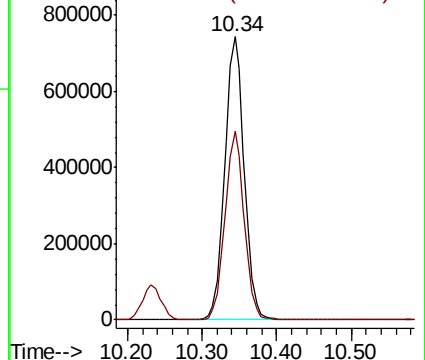
98 100

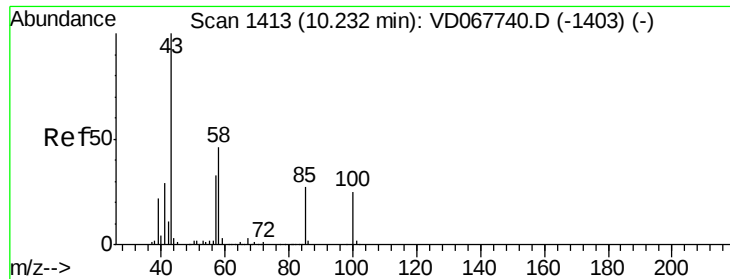
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 750.522 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

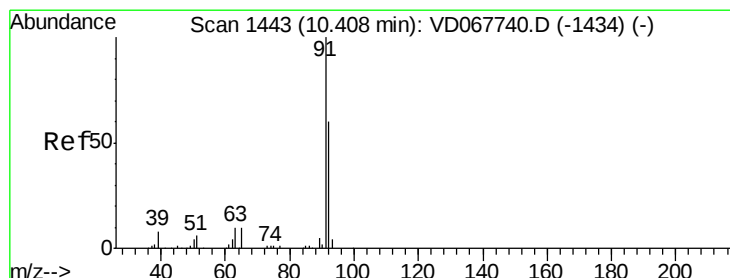
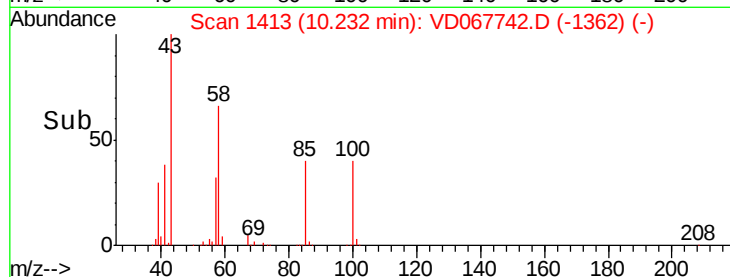
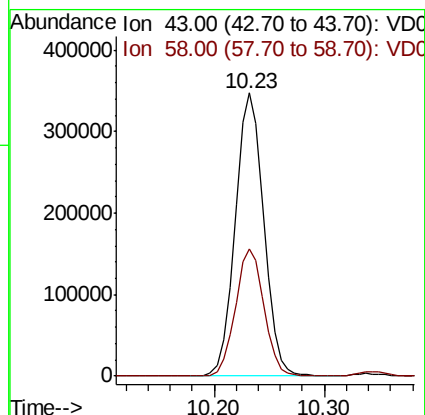
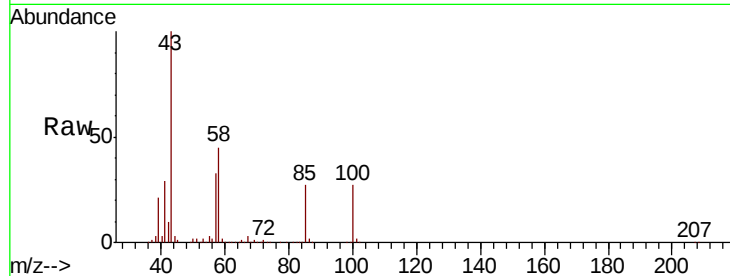
VSTDIC150

Tot Ion: 43 Resp: 631004

Ion Ratio Lower Upper

43 100

58 44.9 34.7 52.1



#52

Toluene

Concen: 142.495 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067742.D

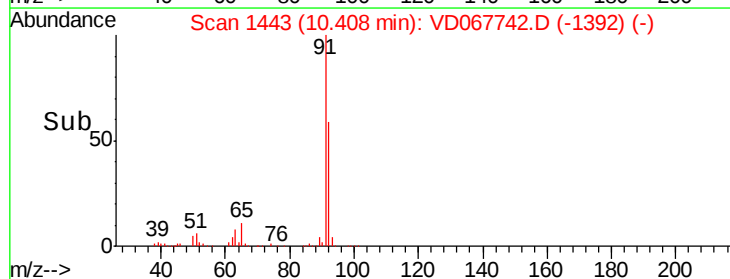
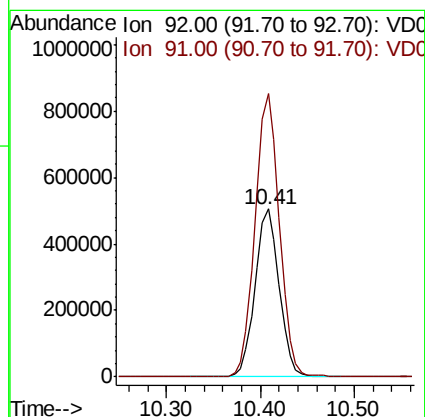
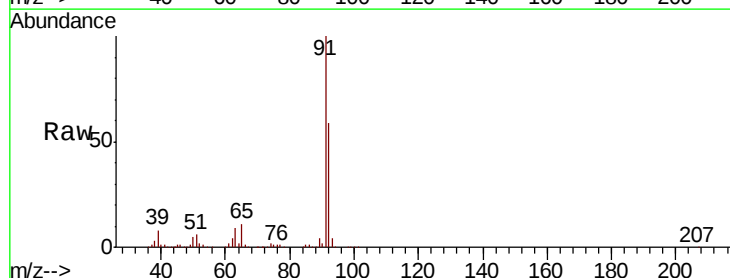
Acq: 23 Nov 2020 13:11

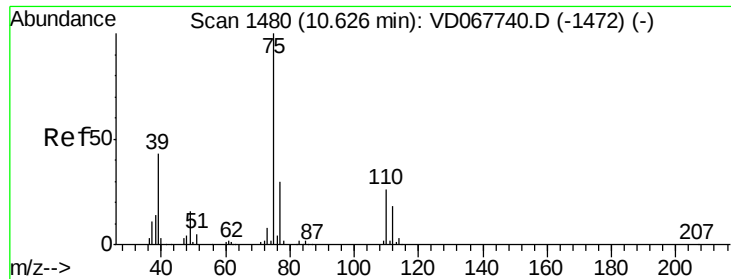
Tgt Ion: 92 Resp: 898654

Ion Ratio Lower Upper

92 100

91 170.4 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 148.826 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

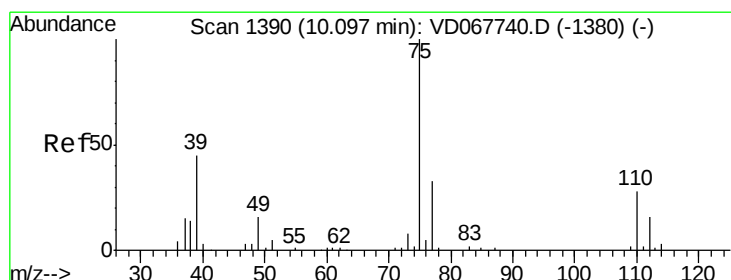
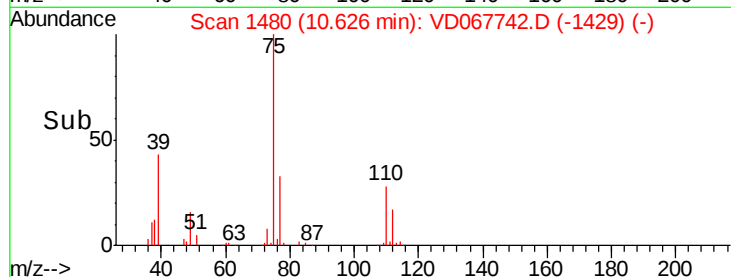
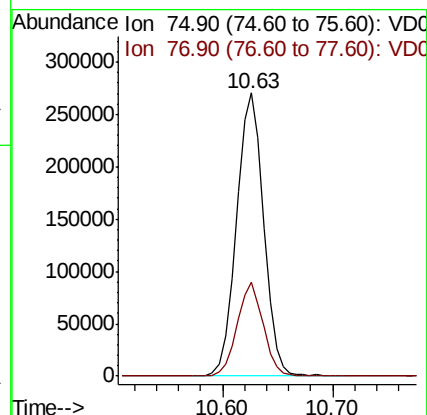
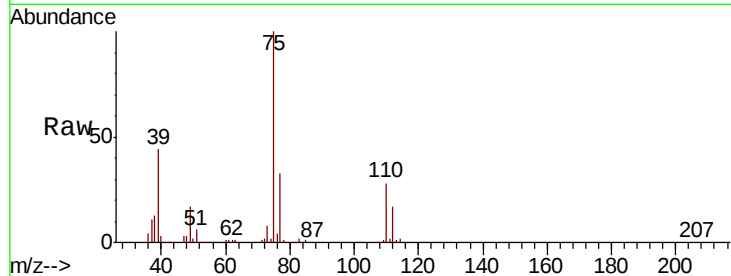
VSTDIC150

Tot Ion: 75 Resp: 467740

Ion Ratio Lower Upper

75 100

77 33.1 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 147.884 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

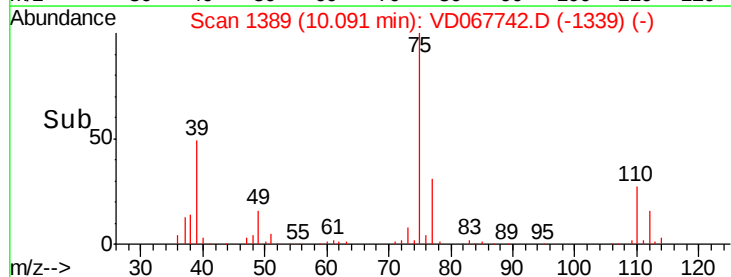
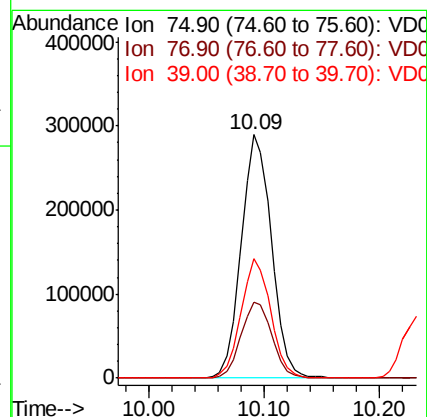
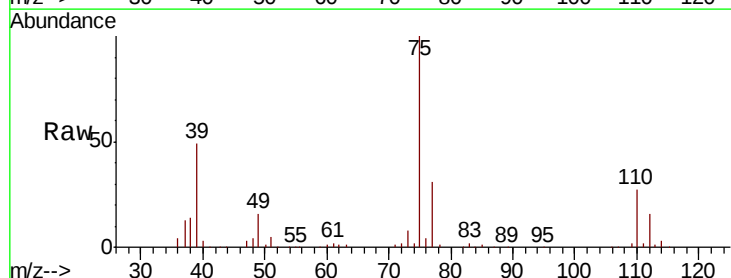
Tgt Ion: 75 Resp: 526183

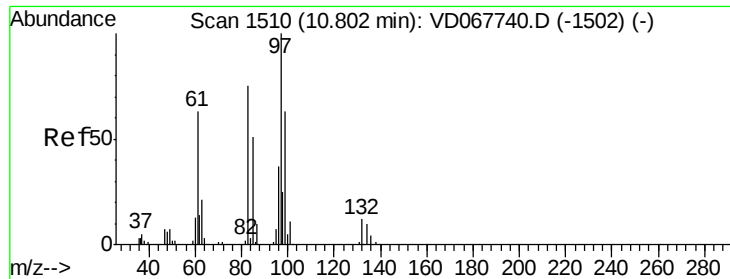
Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1

39 48.7 35.8 53.6

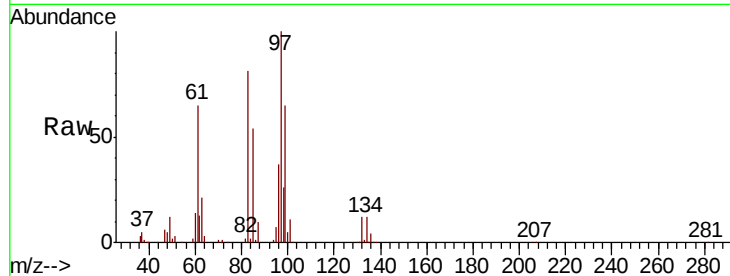




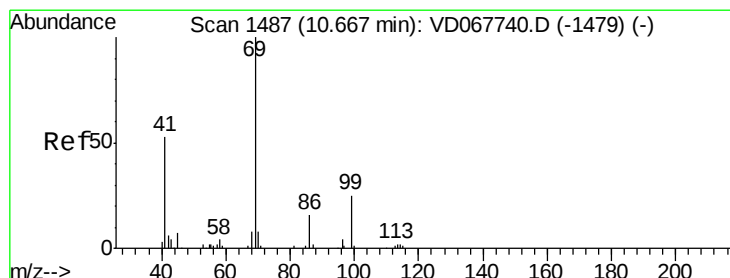
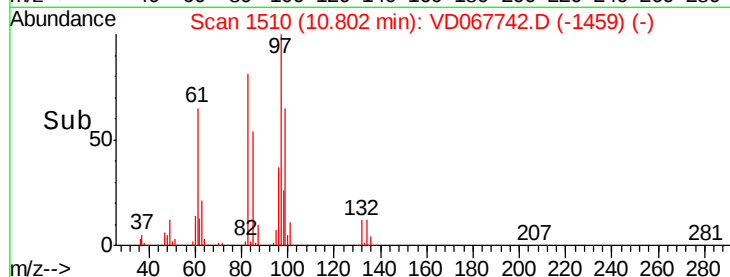
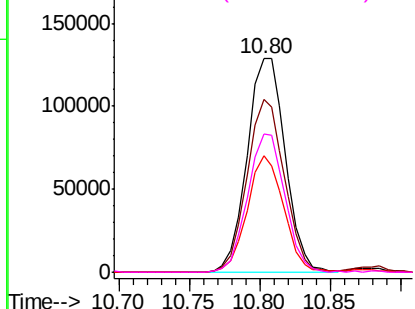
#55
 1,1,2-Trichloroethane
 Concen: 141.219 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	244760
Ion	Ratio	Lower	Upper
97	100		
83	80.8	60.2	90.4
85	54.5	40.5	60.7
99	64.8	50.6	76.0

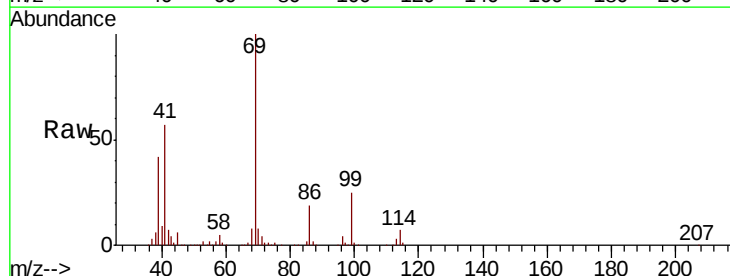


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

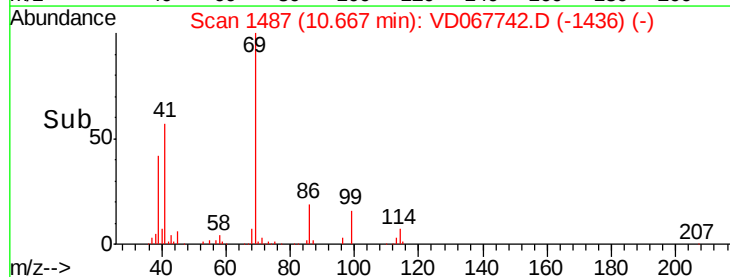
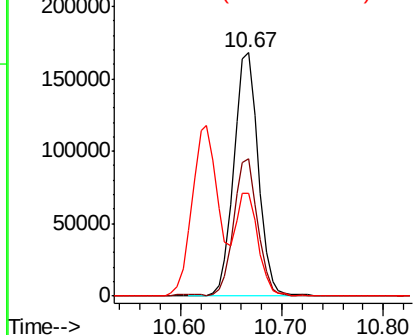


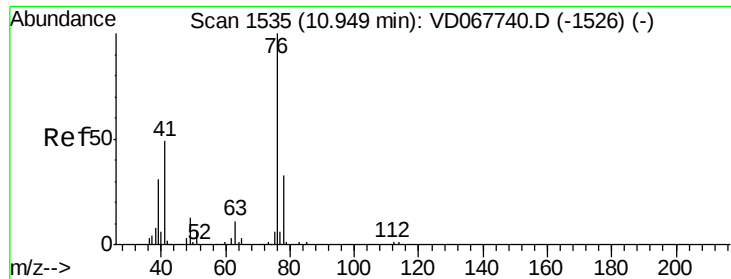
#56
 Ethyl methacrylate
 Concen: 156.992 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion:	69	Resp:	281212
Ion	Ratio	Lower	Upper
69	100		
41	55.2	43.4	65.0
39	37.4	29.6	44.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

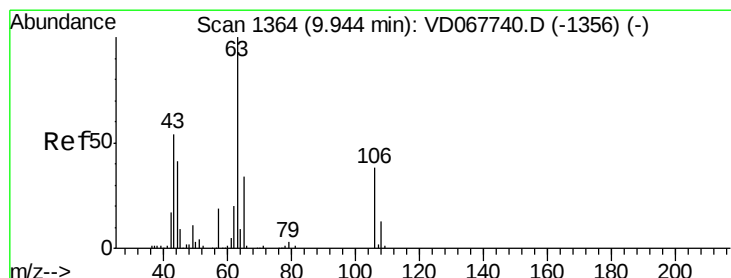
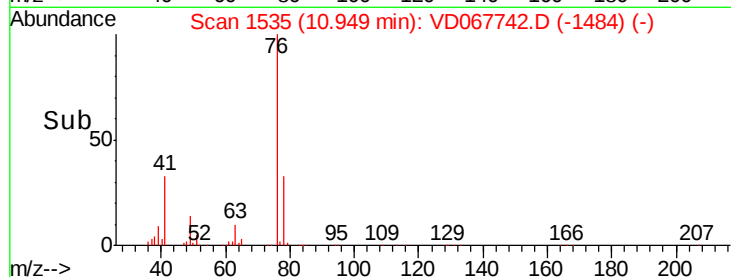
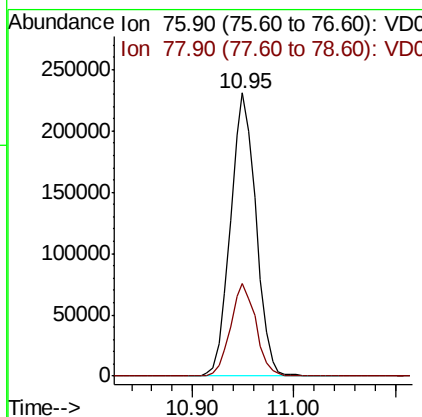
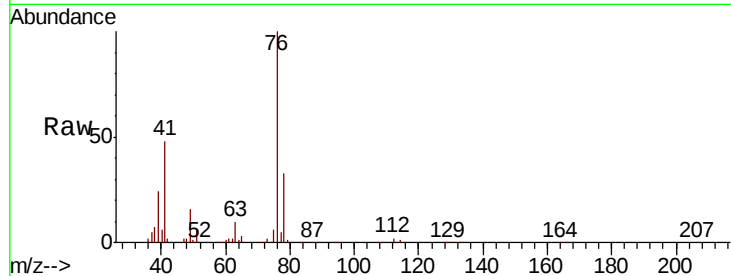




#57
 1,3-Dichloropropane
 Concen: 147.897 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

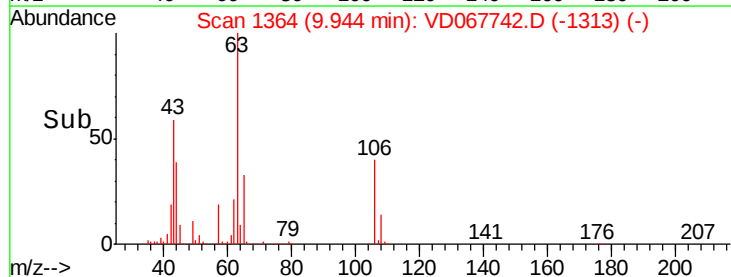
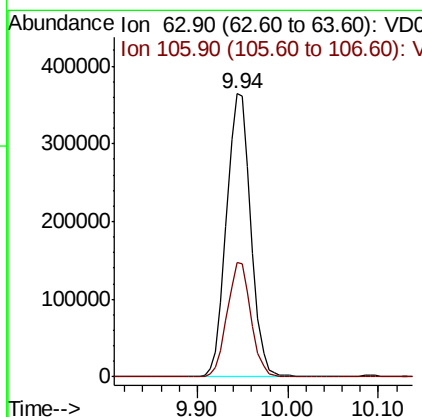
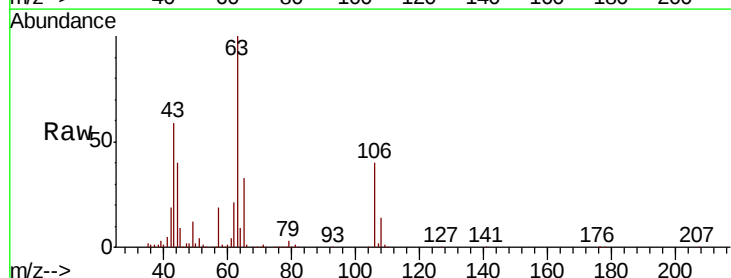
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

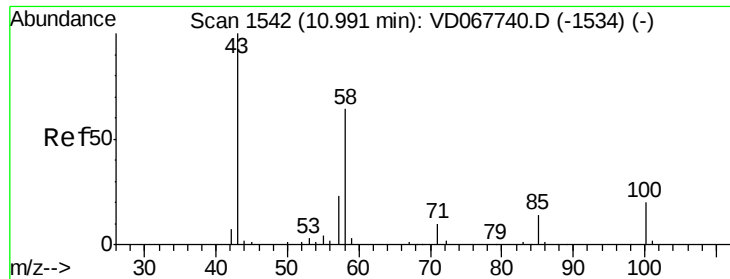
Tot Ion: 76 Resp: 401490
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 812.796 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 63 Resp: 679926
 Ion Ratio Lower Upper
 63 100
 106 39.5 31.0 46.6

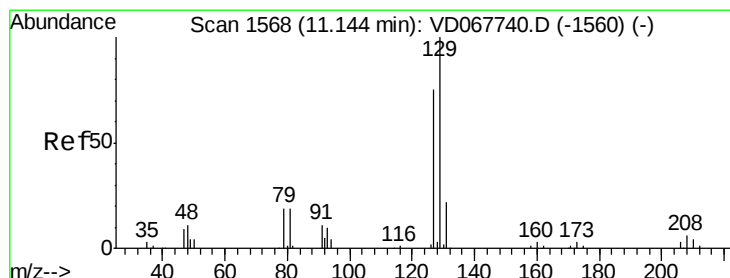
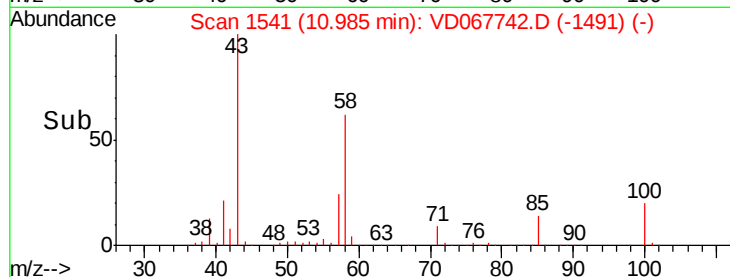
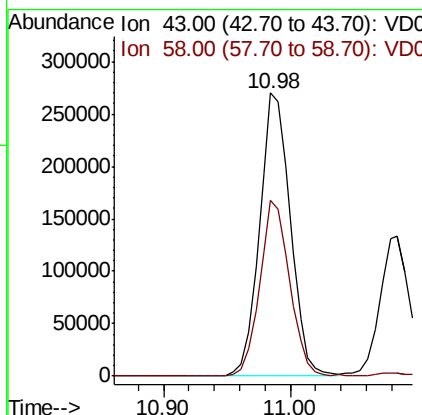
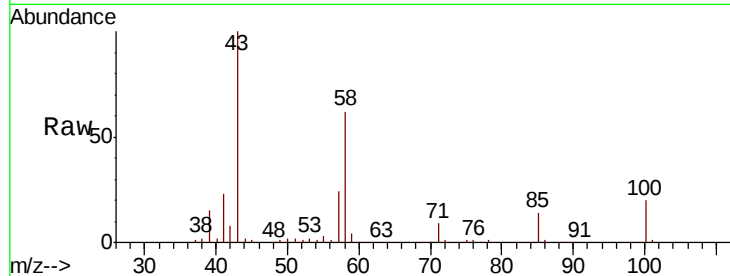




#59
2-Hexanone
Concen: 760.654 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

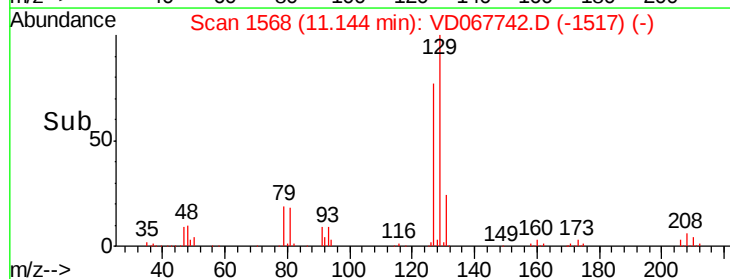
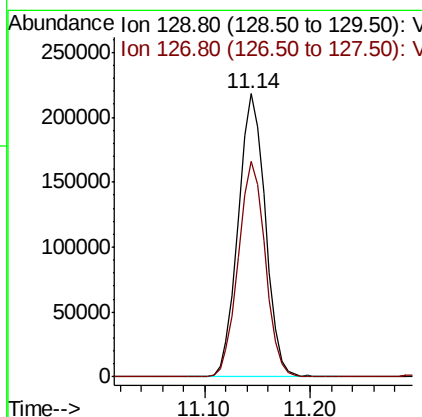
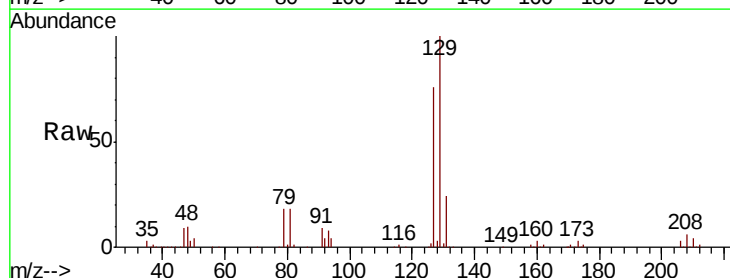
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

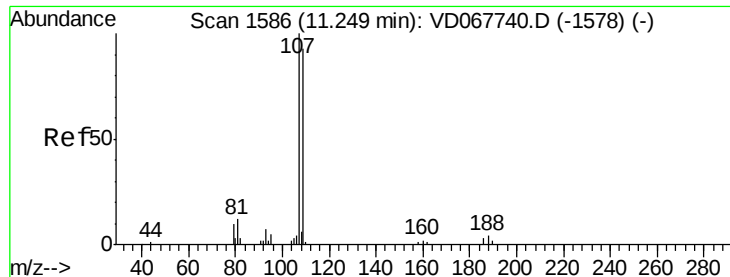
Tot Ion: 43 Resp: 456397
Ion Ratio Lower Upper
43 100
58 60.3 30.5 91.5



#60
Dibromochloromethane
Concen: 146.758 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 129 Resp: 387726
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.7

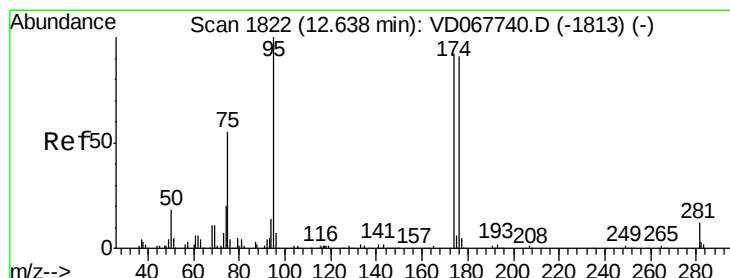
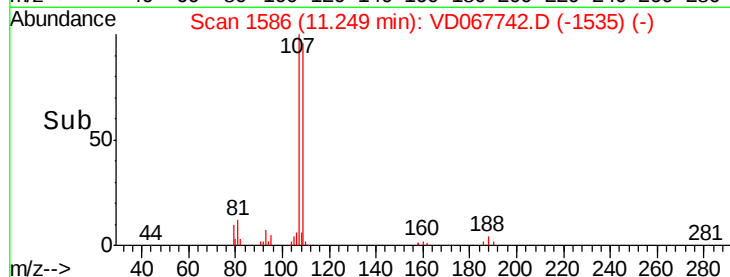
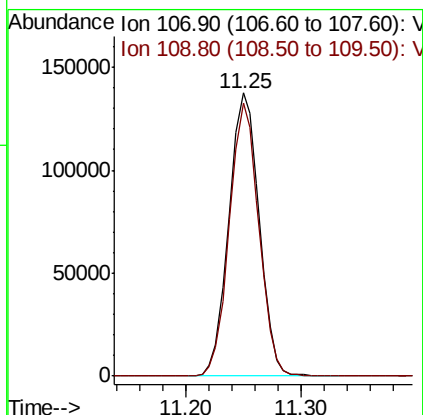
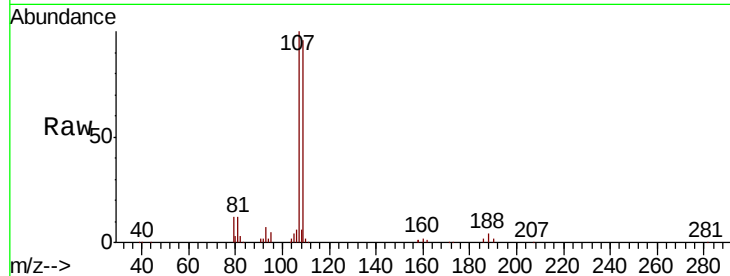




#61
 1,2-Dibromoethane
 Concen: 145.934 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

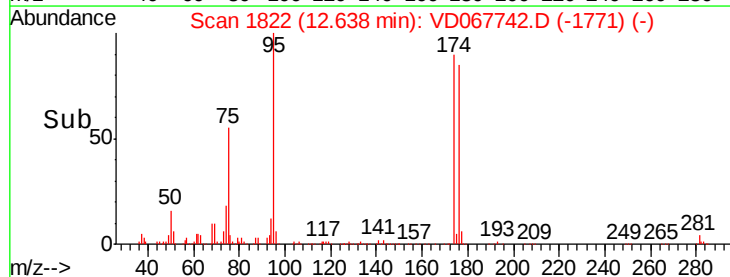
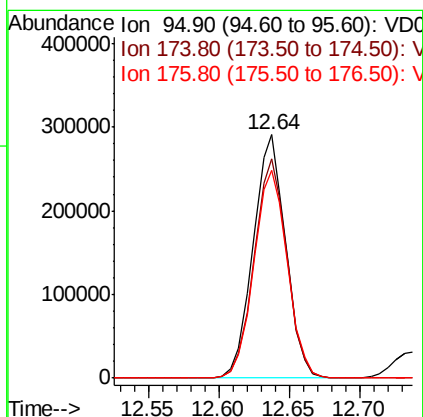
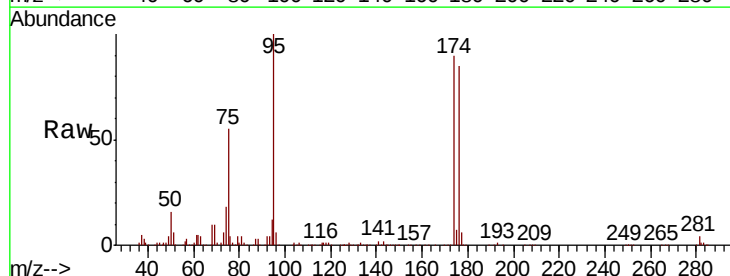
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

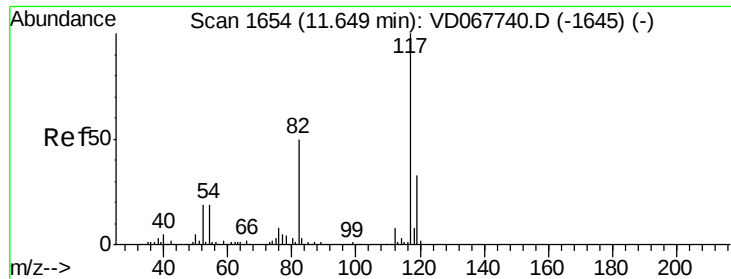
Tot Ion: 107 Resp: 250092
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 150.381 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 95 Resp: 470077
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 182.4
 176 87.8 0.0 178.2

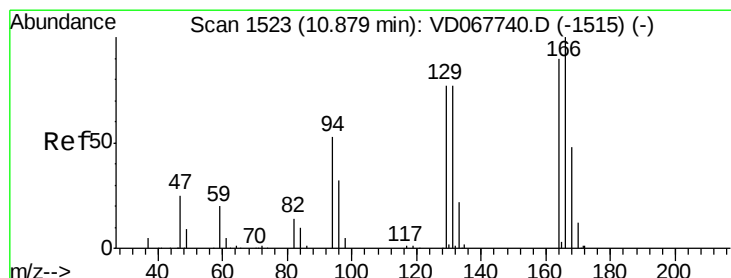
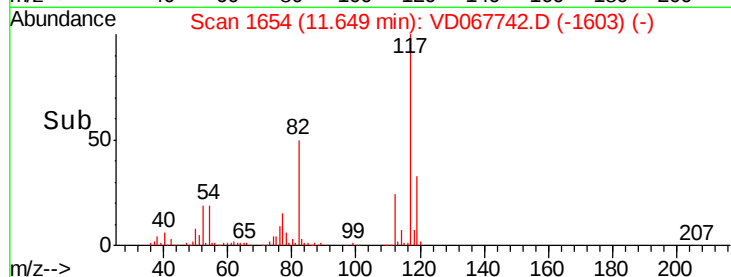
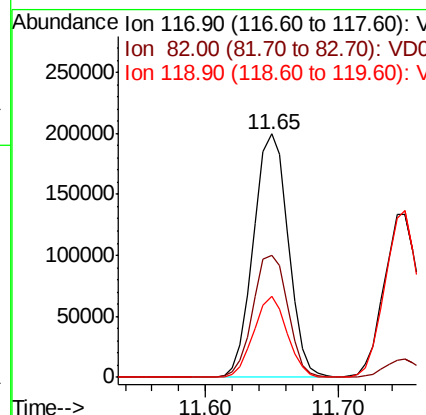
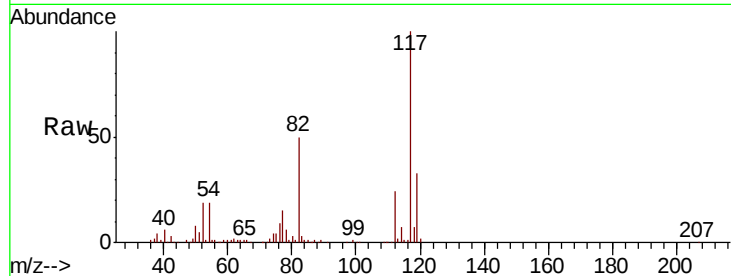




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

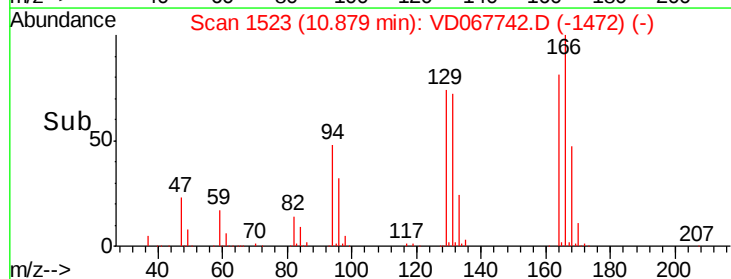
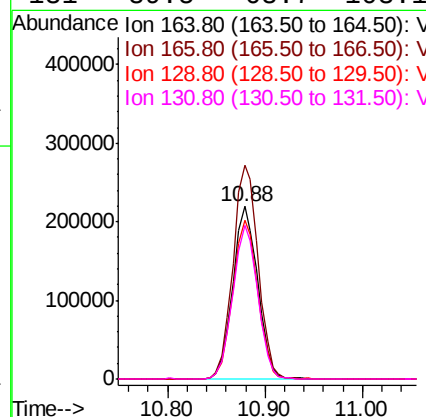
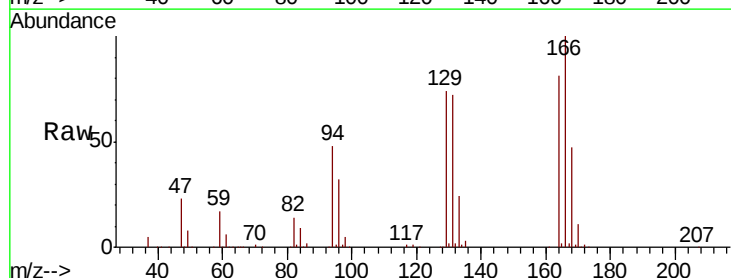
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

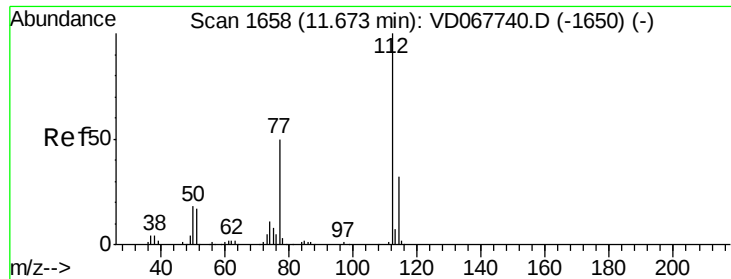
Tot Ion:117 Resp: 358437
Ion Ratio Lower Upper
117 100
82 49.9 40.2 60.4
119 33.5 26.5 39.7



#64
Tetrachloroethene
Concen: 137.920 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:164 Resp: 388701
Ion Ratio Lower Upper
164 100
166 124.0 89.2 133.8
129 92.3 68.4 102.6
131 89.5 68.7 103.1

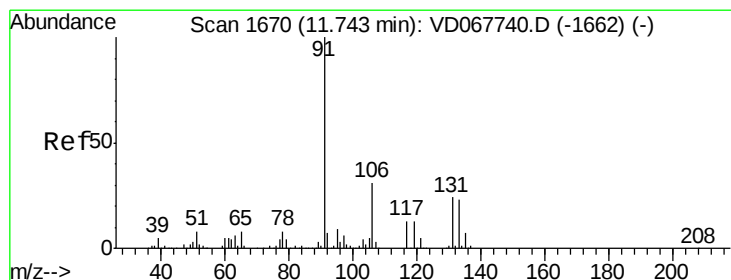
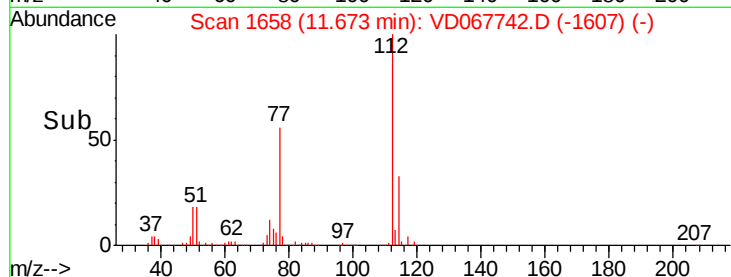
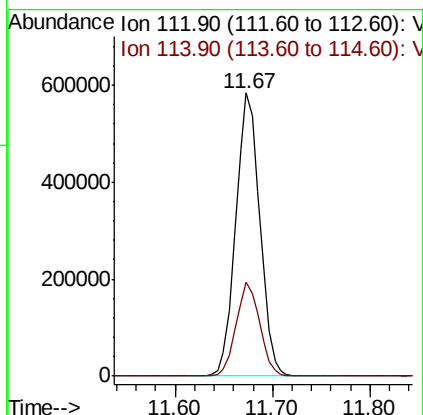
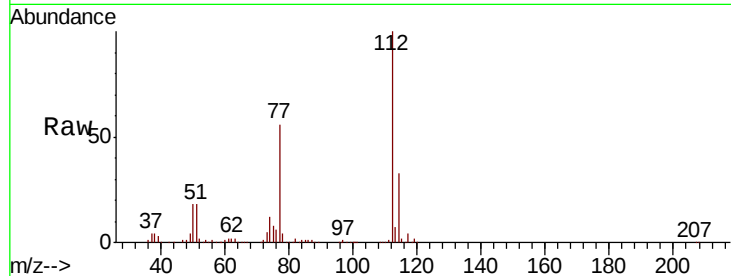




#65
Chlorobenzene
Concen: 140.229 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

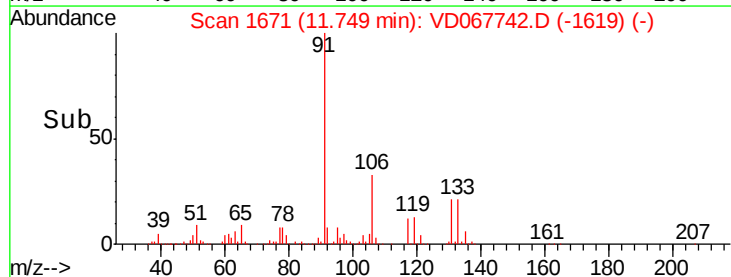
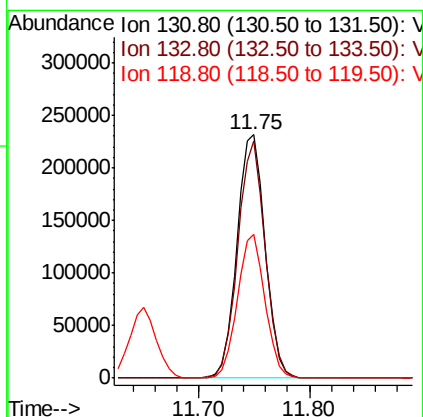
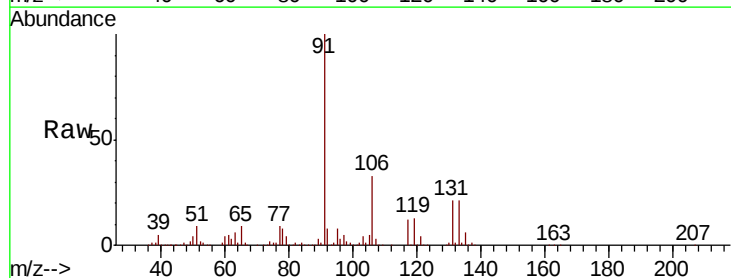
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

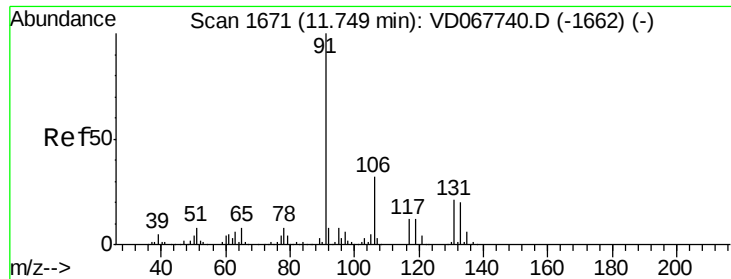
Tot Ion:112 Resp: 995579
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 145.444 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:131 Resp: 413684
Ion Ratio Lower Upper
131 100
133 94.7 49.0 147.0
119 57.9 28.8 86.5

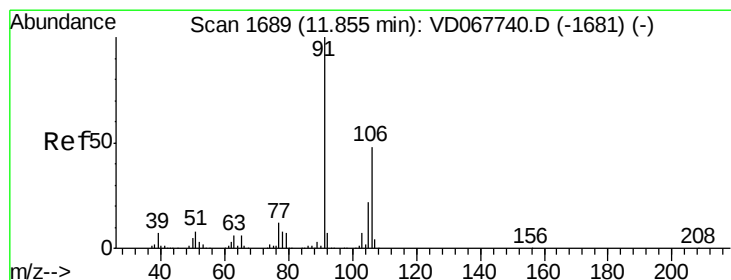
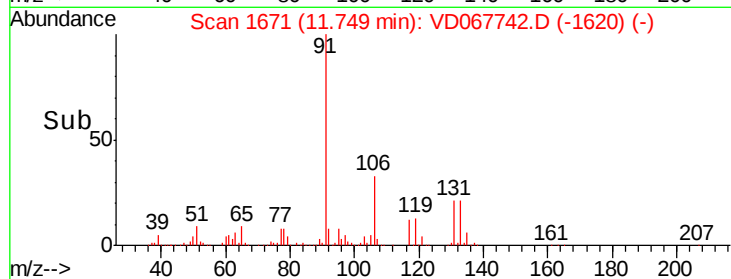
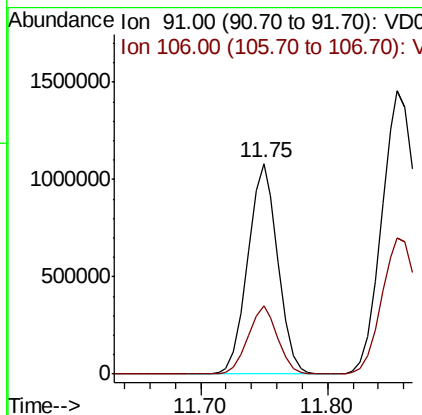
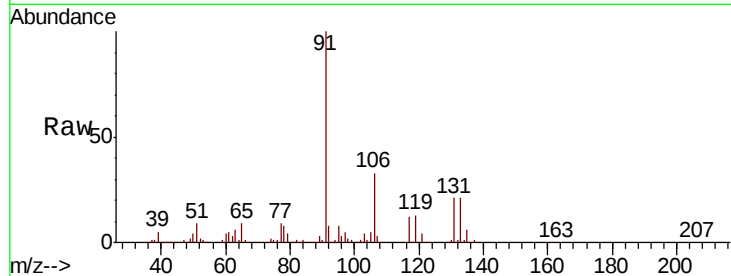




#67
Ethyl Benzene
Concen: 145.843 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

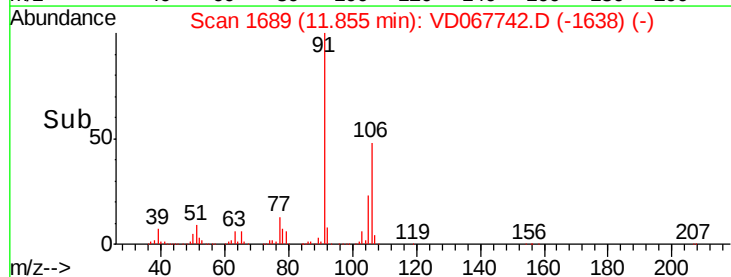
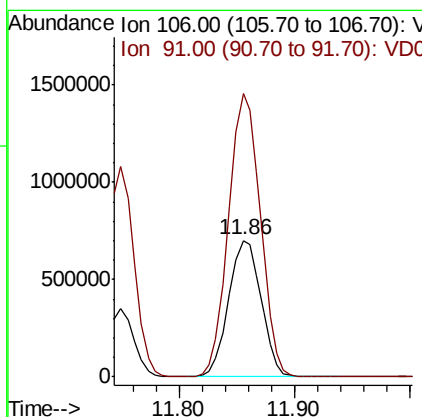
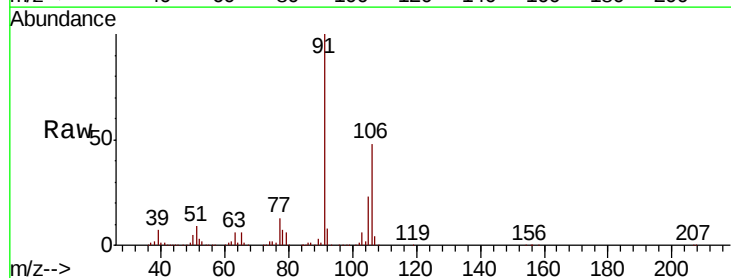
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

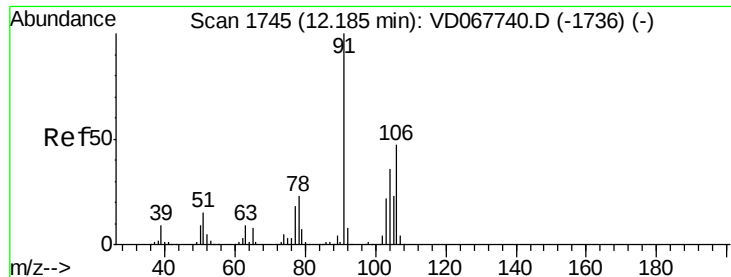
Tot Ion: 91 Resp: 1777371
Ion Ratio Lower Upper
91 100
106 32.7 25.7 38.5



#68
m/p-Xylenes
Concen: 287.096 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 106 Resp: 1367995
Ion Ratio Lower Upper
106 100
91 204.2 163.0 244.6

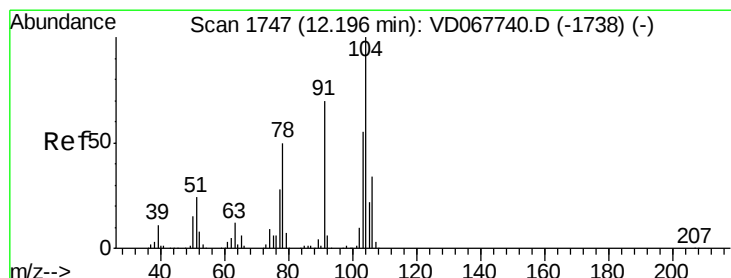
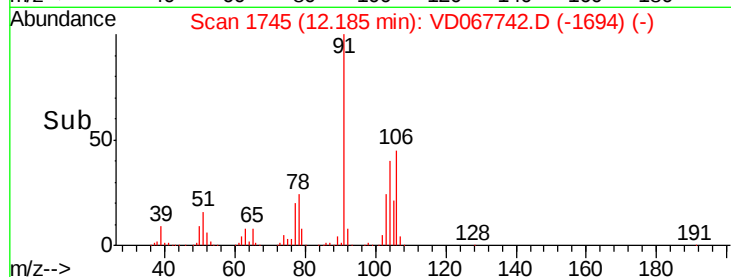
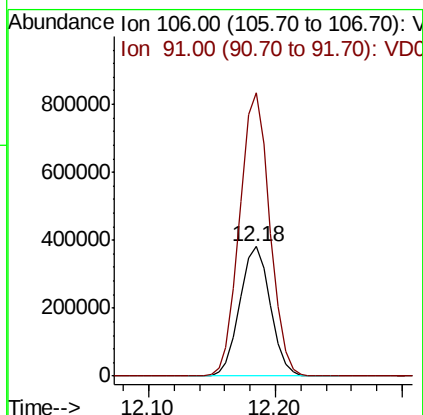
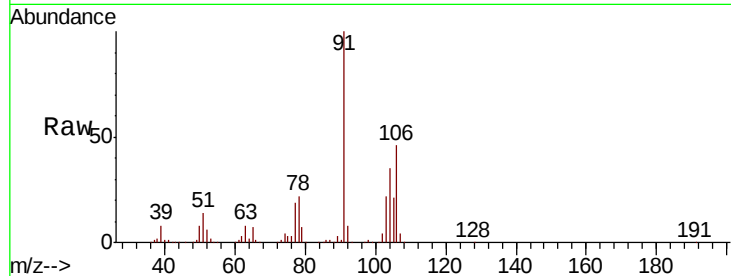




#69
o-Xylene
Concen: 147.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

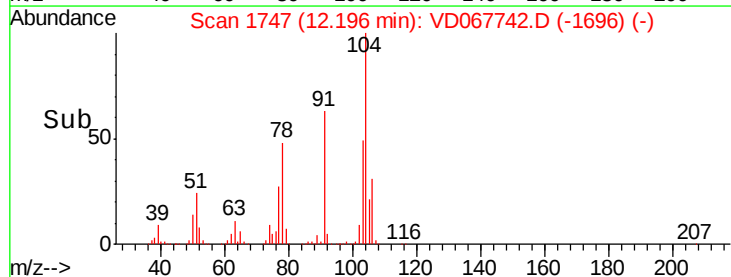
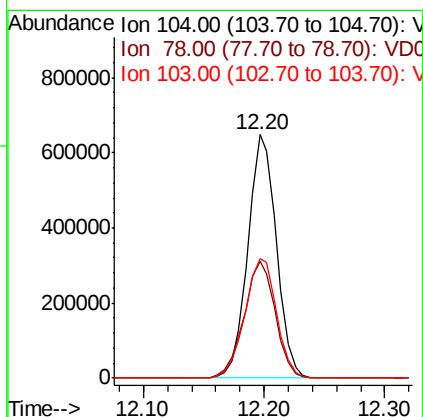
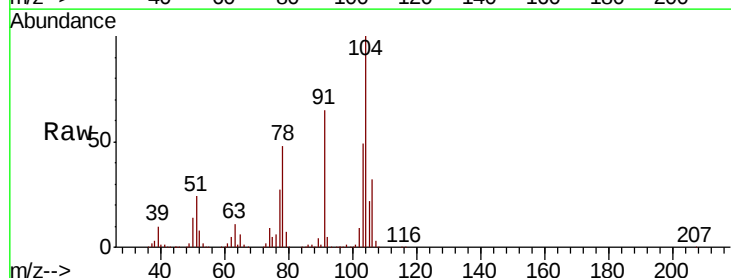
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

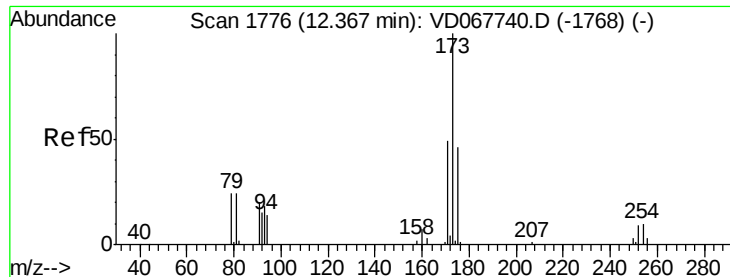
Tot Ion:106 Resp: 638765
Ion Ratio Lower Upper
106 100
91 215.6 106.2 318.6



#70
Styrene
Concen: 142.727 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:104 Resp: 1068294
Ion Ratio Lower Upper
104 100
78 52.7 41.9 62.9
103 54.6 44.1 66.1





#71

Bromoform

Concen: 145.142 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

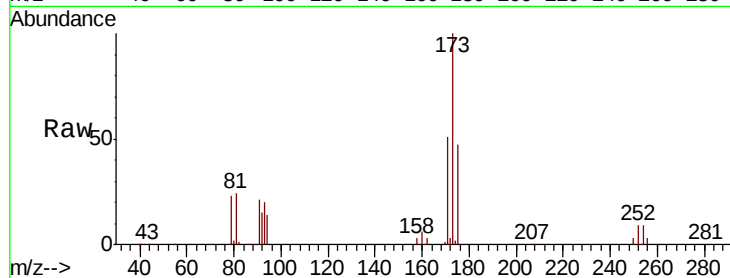
Tot Ion:173 Resp: 224757

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.7

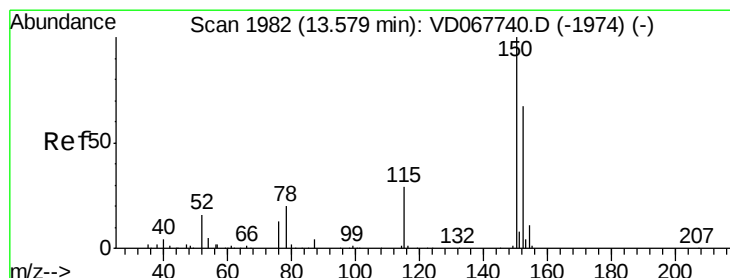
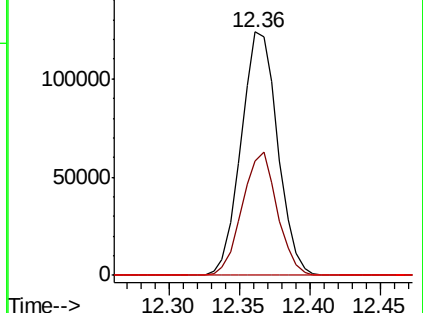
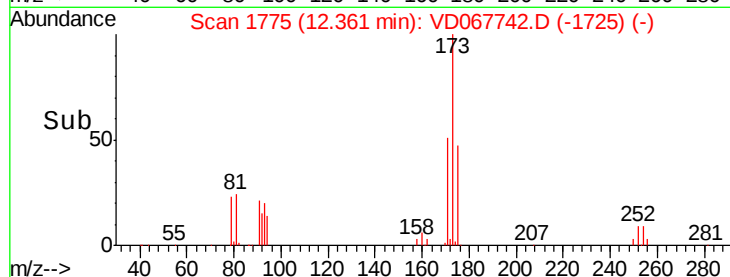
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

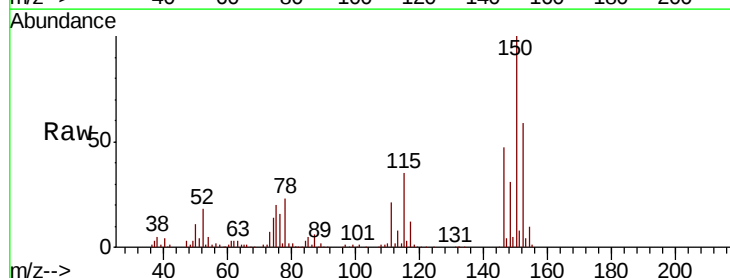
Tgt Ion:152 Resp: 173567

Ion Ratio Lower Upper

152 100

115 60.0 29.4 88.3

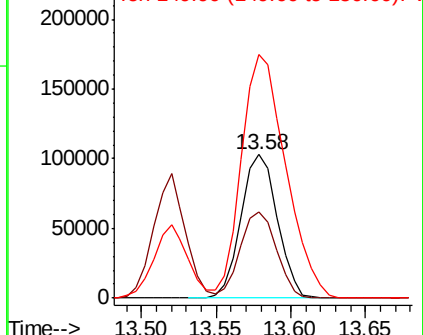
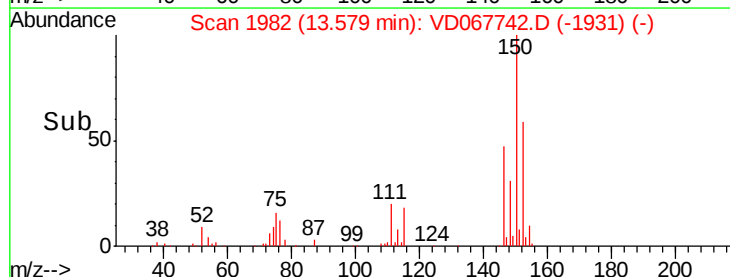
150 207.8 0.0 340.6

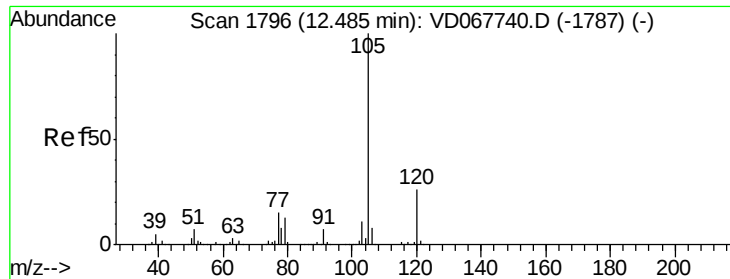


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.057 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

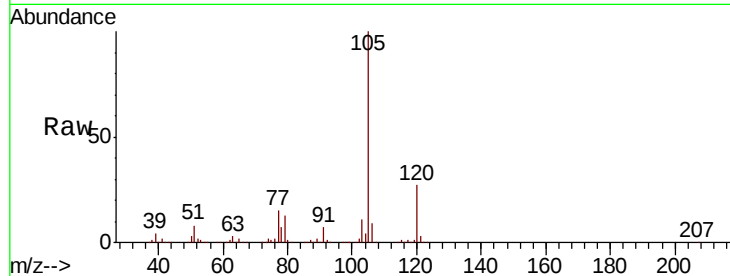
VSTDIC150

Tot Ion:105 Resp: 1770494

Ion Ratio Lower Upper

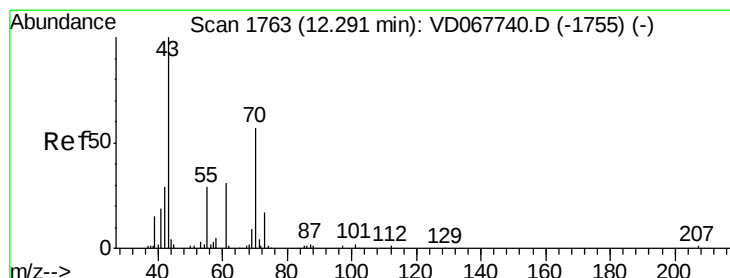
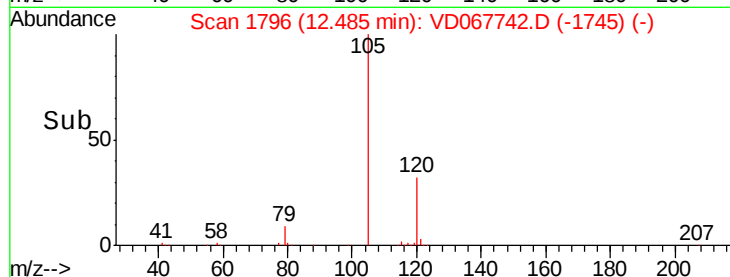
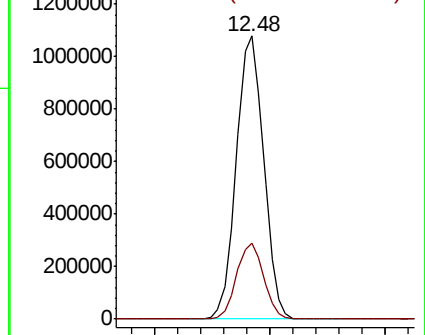
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 163.284 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Tgt Ion: 43 Resp: 246302

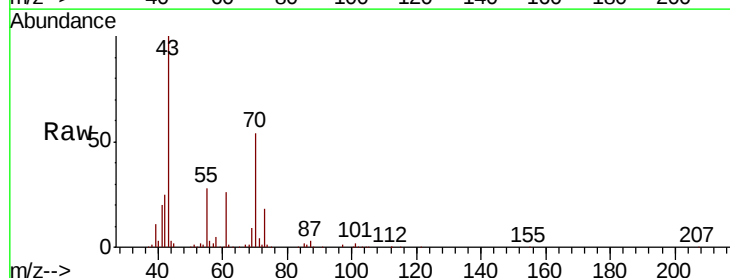
Ion Ratio Lower Upper

43 100

70 53.5 44.6 66.8

55 27.9 24.2 36.2

61 27.7 22.0 33.0

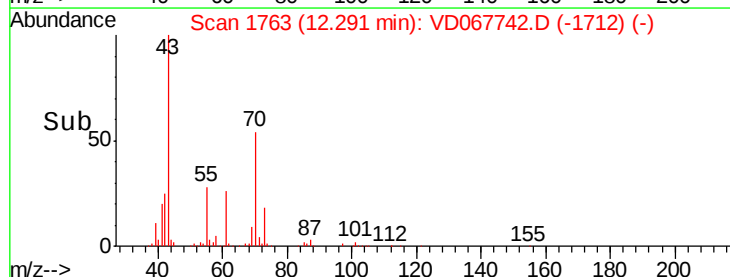
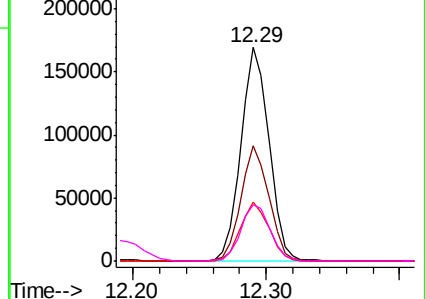


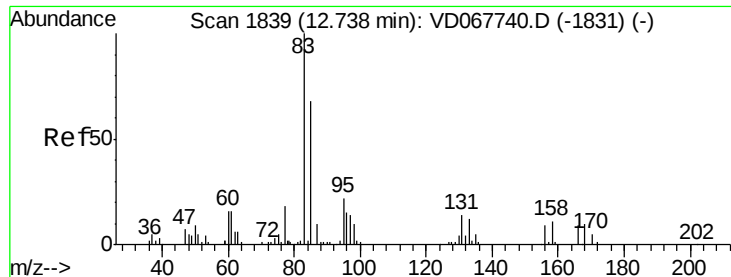
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 148.413 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

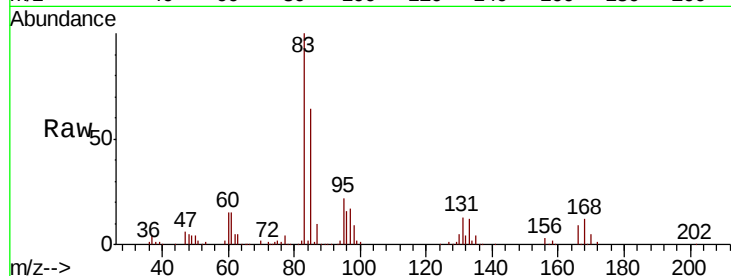
Tot Ion: 83 Resp: 230297

Ion Ratio Lower Upper

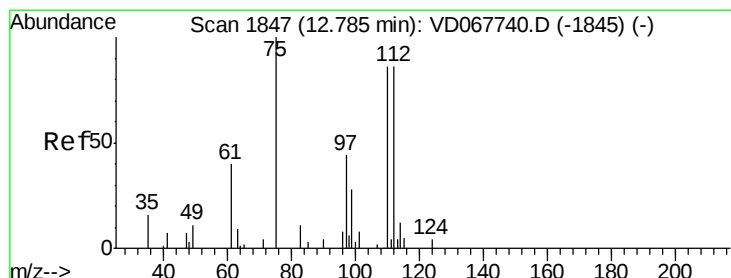
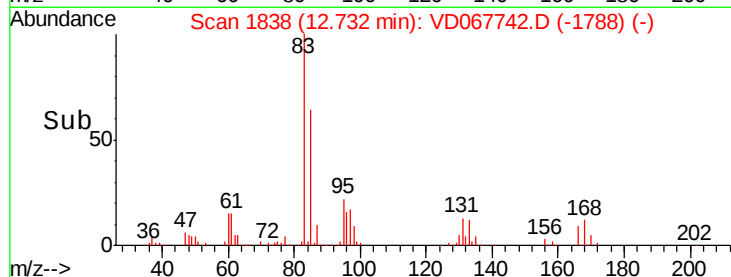
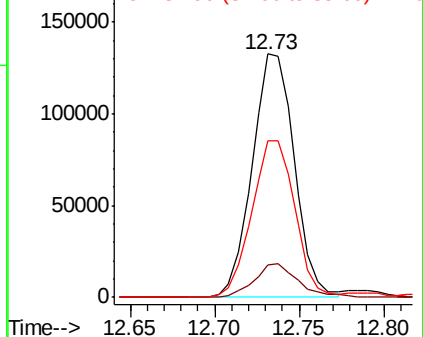
83 100

131 14.4 8.1 24.1

85 65.6 33.9 101.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 249.291 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067742.D

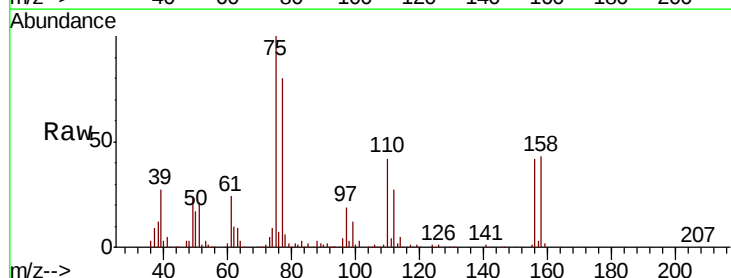
Acq: 23 Nov 2020 13:11

Tgt Ion: 75 Resp: 337211

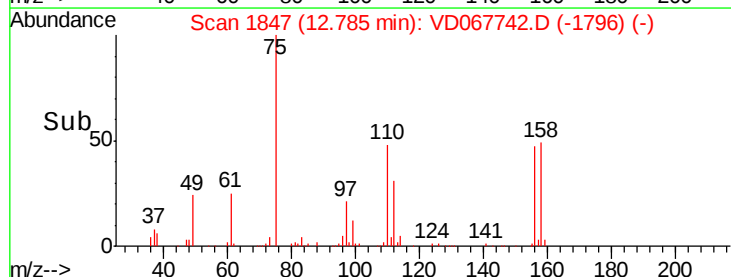
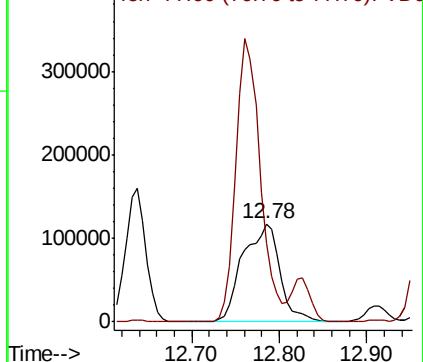
Ion Ratio Lower Upper

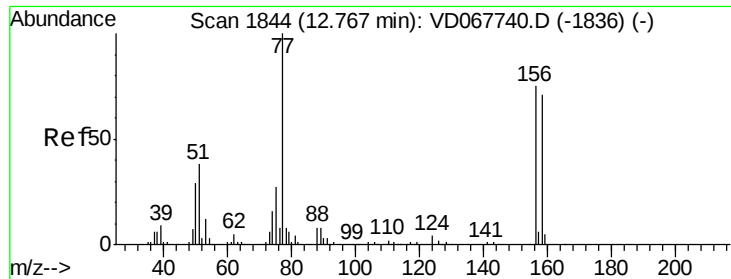
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 148.239 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

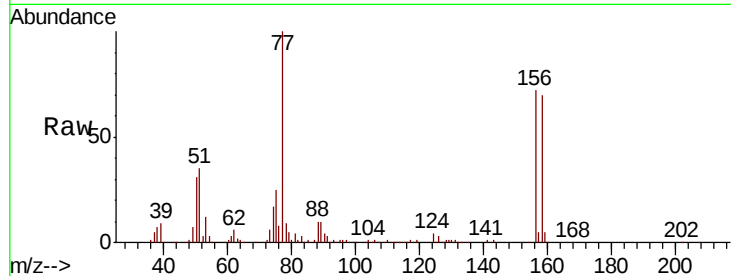
Tot Ion:156 Resp: 429768

Ion Ratio Lower Upper

156 100

77 148.3 73.5 220.3

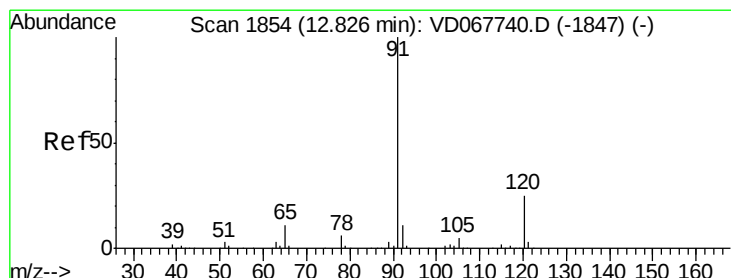
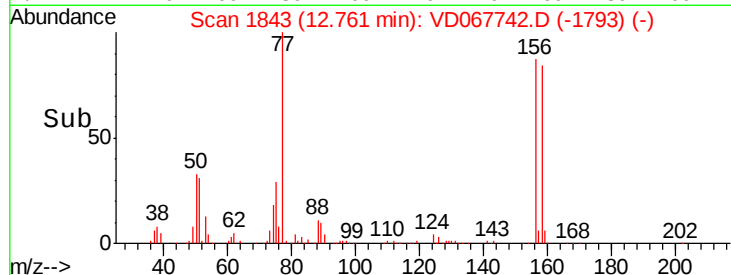
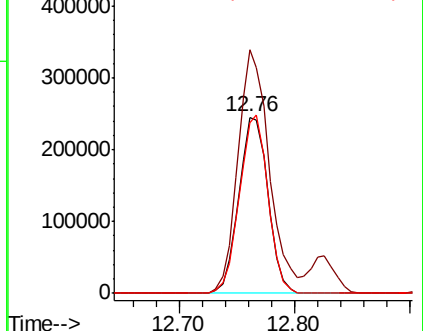
158 98.5 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.852 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067742.D

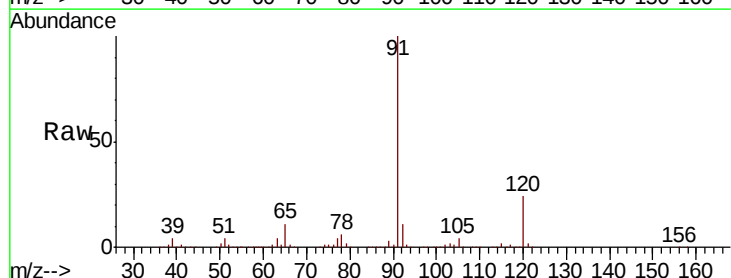
Acq: 23 Nov 2020 13:11

Tgt Ion: 91 Resp: 1960965

Ion Ratio Lower Upper

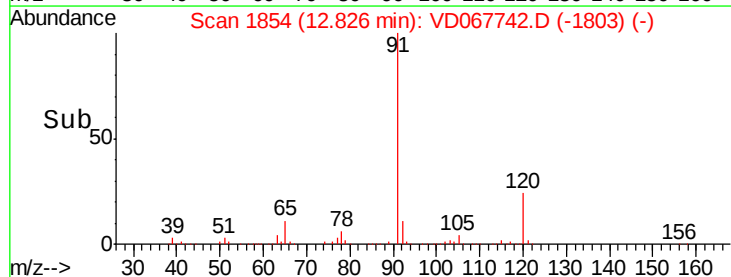
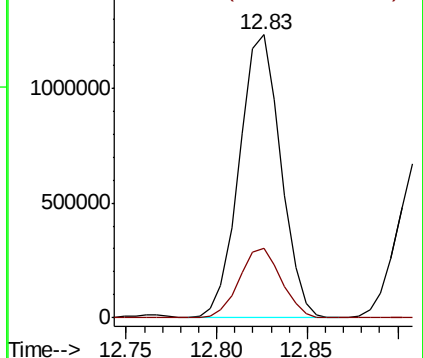
91 100

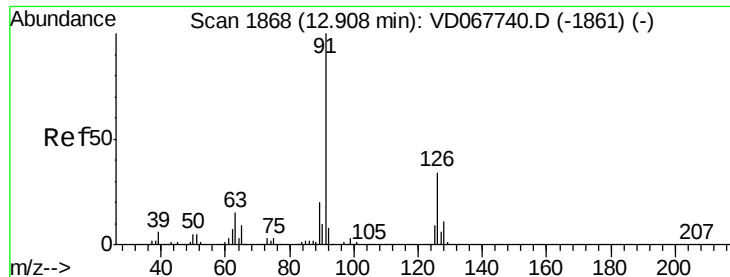
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.552 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

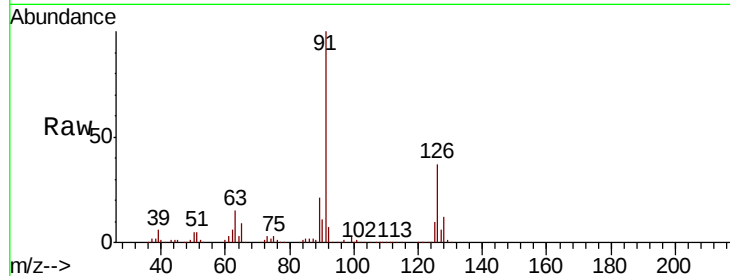
VSTDIC150

Tot Ion: 91 Resp: 1143815

Ion Ratio Lower Upper

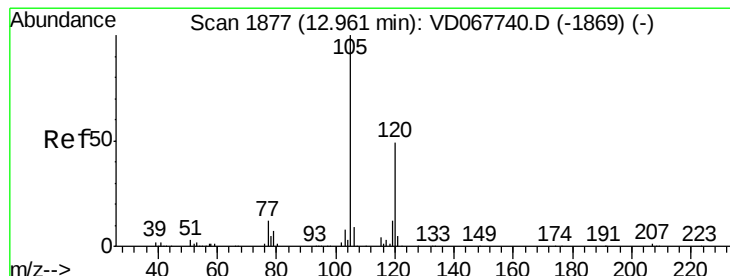
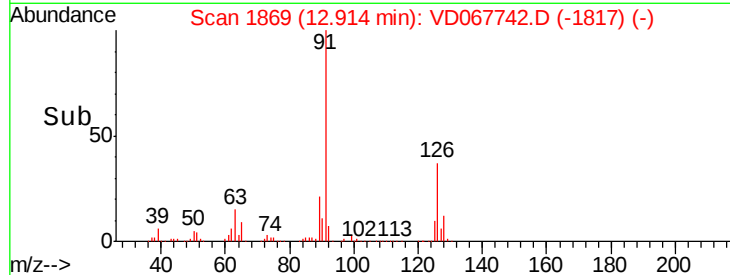
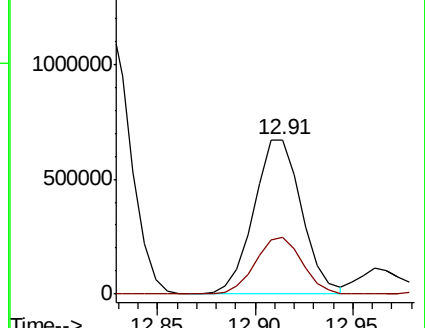
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VD067740.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD067740.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 149.428 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD067742.D

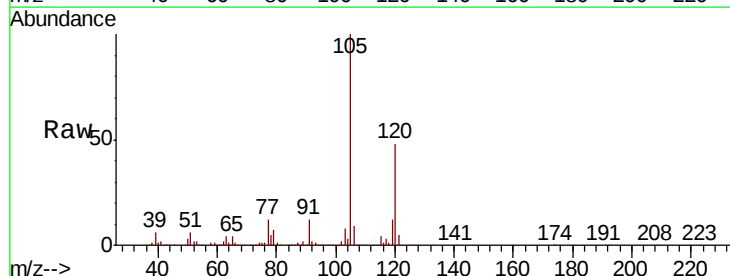
Acq: 23 Nov 2020 13:11

Tgt Ion:105 Resp: 1527263

Ion Ratio Lower Upper

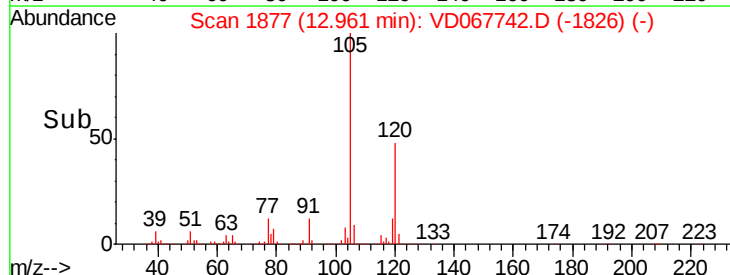
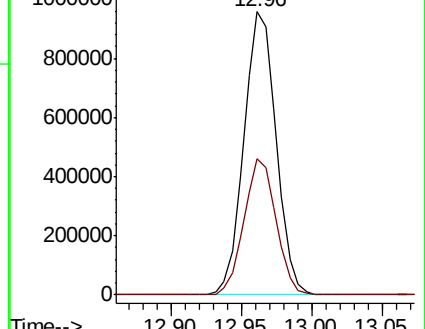
105 100

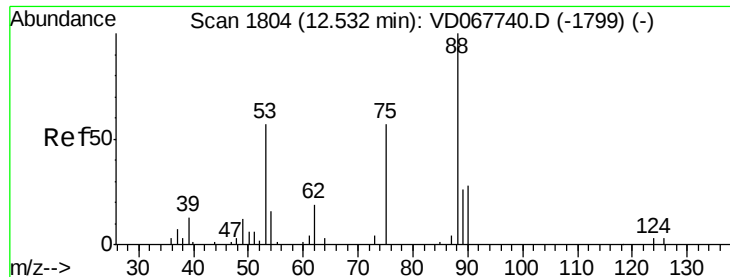
120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD067740.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067740.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 155.717 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

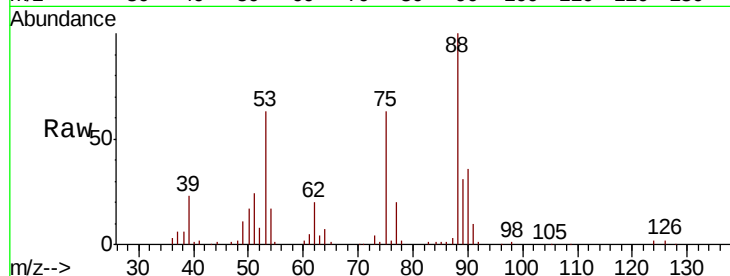
Tot Ion: 75 Resp: 80658

Ion Ratio Lower Upper

75 100

53 98.8 76.0 114.0

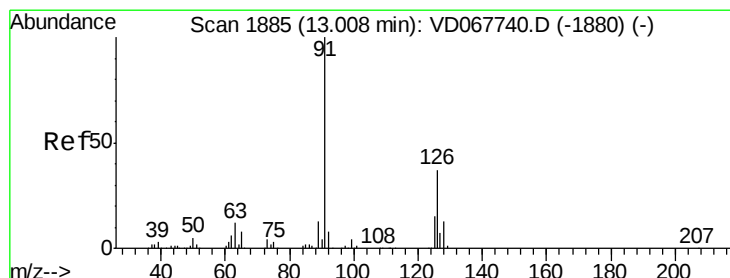
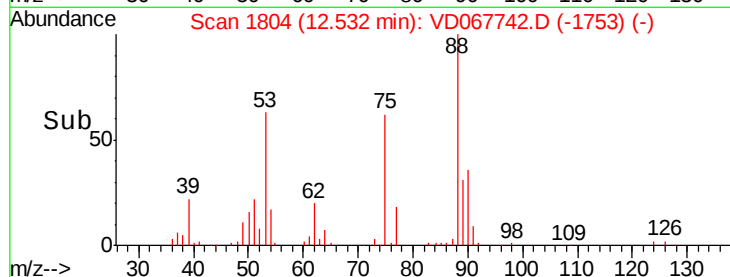
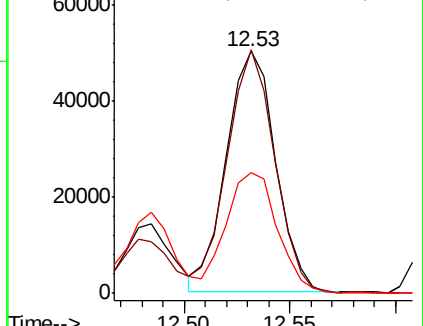
89 52.5 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 148.676 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067742.D

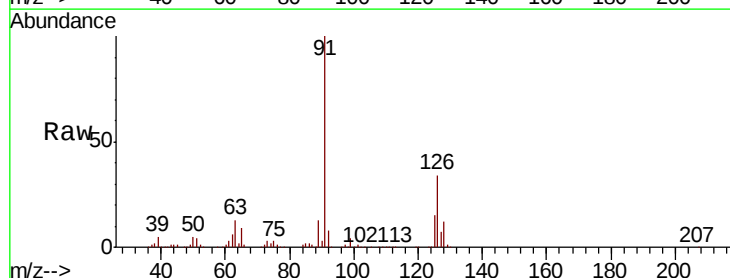
Acq: 23 Nov 2020 13:11

Tgt Ion: 91 Resp: 1205423

Ion Ratio Lower Upper

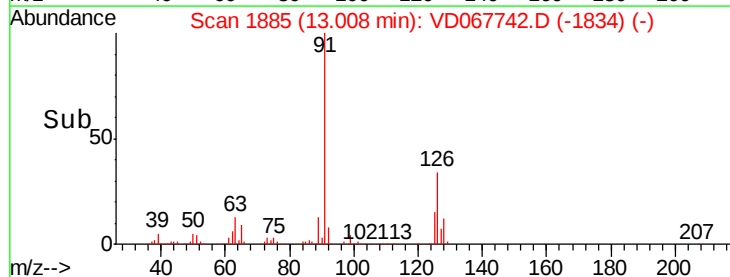
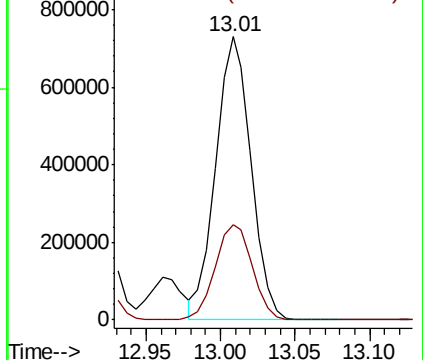
91 100

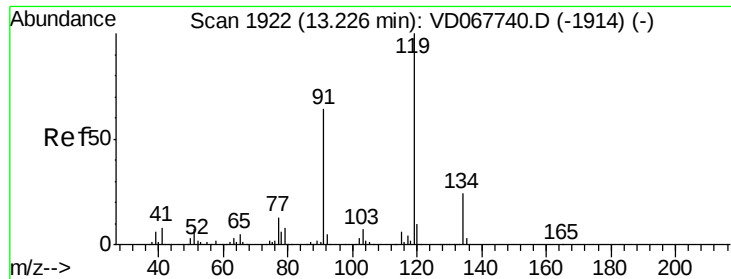
126 35.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

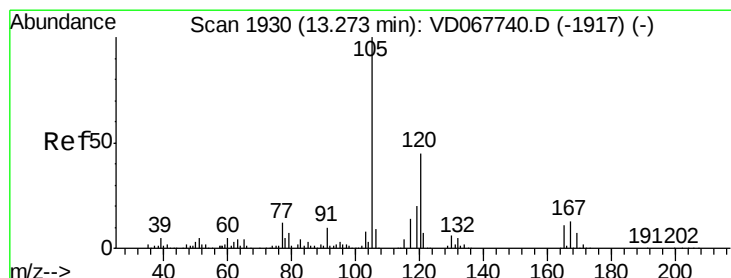
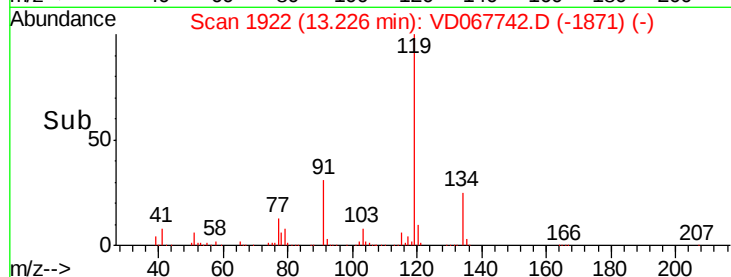
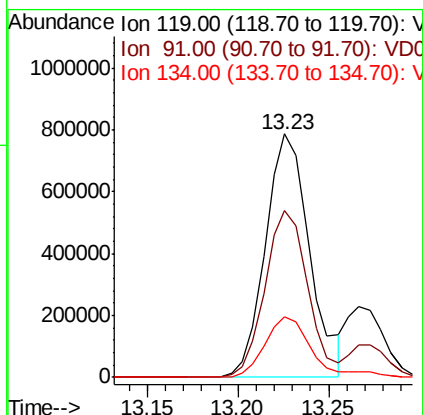
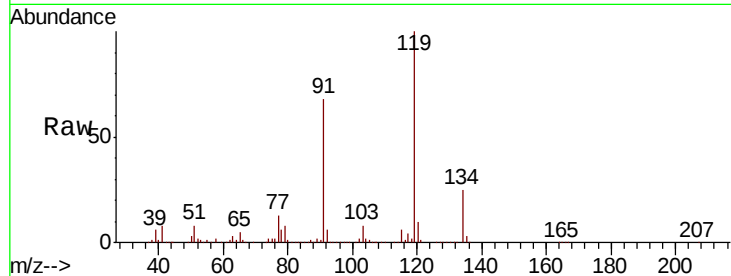




#83
tert-Butylbenzene
Concen: 155.313 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

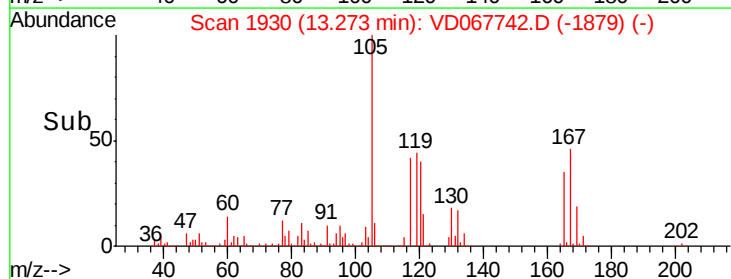
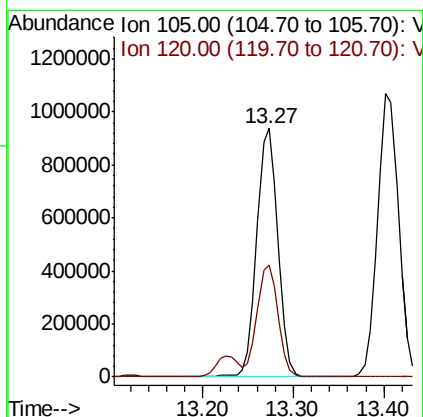
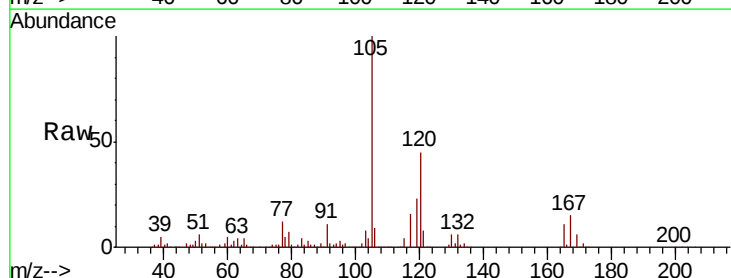
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

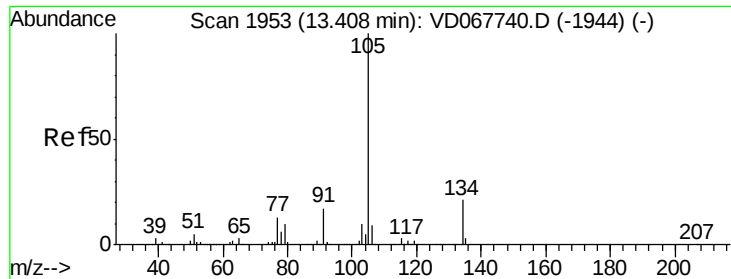
Tot Ion:119 Resp: 1337707
Ion Ratio Lower Upper
119 100
91 66.3 32.9 98.7
134 26.5 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 150.315 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:105 Resp: 1511527
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.7

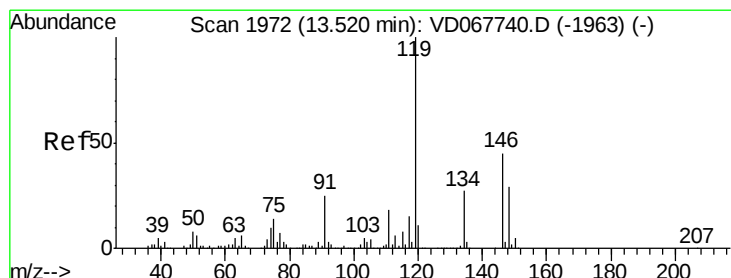
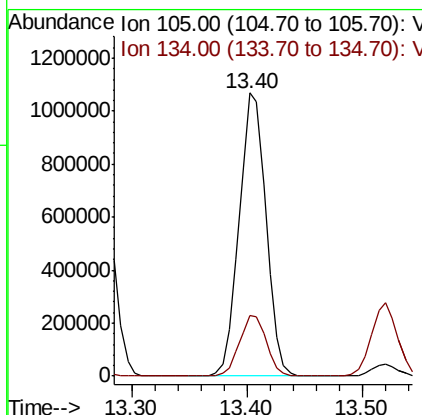
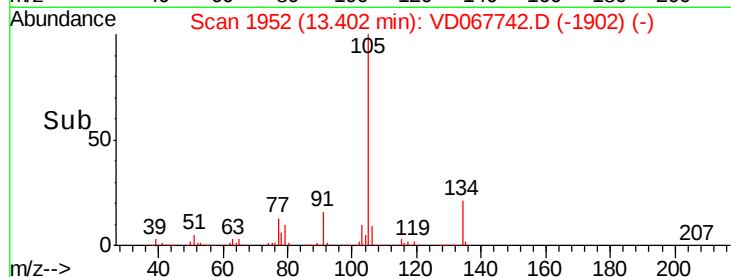
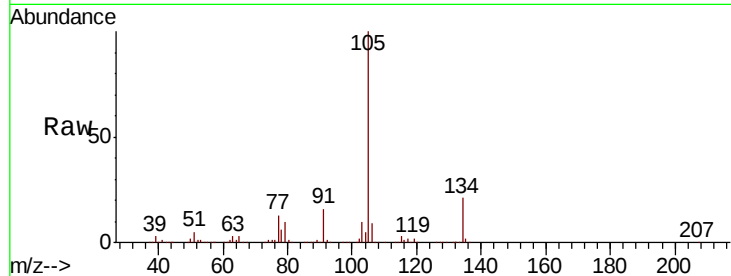




#85
 sec-Butylbenzene
 Concen: 151.488 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

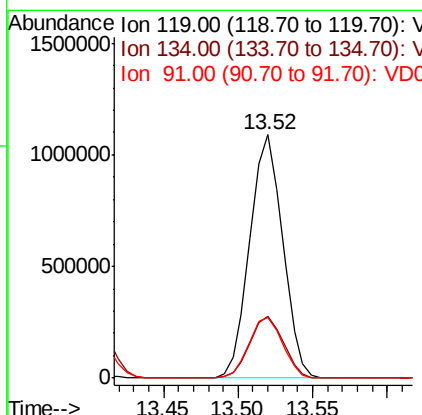
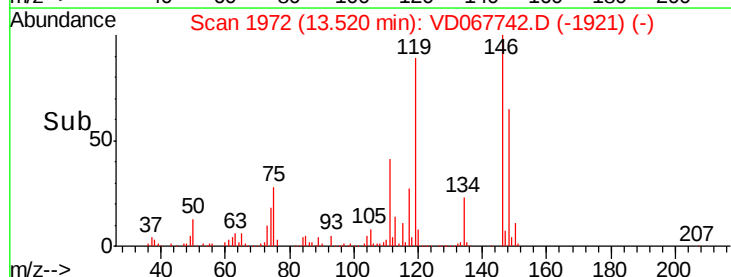
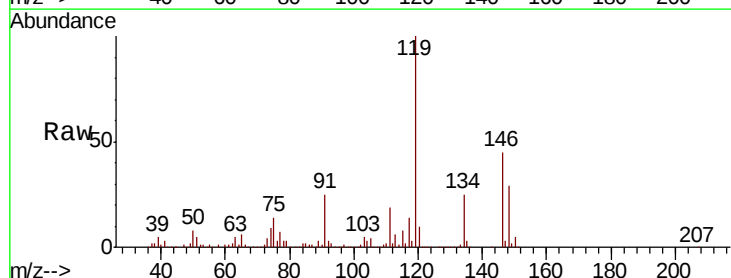
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

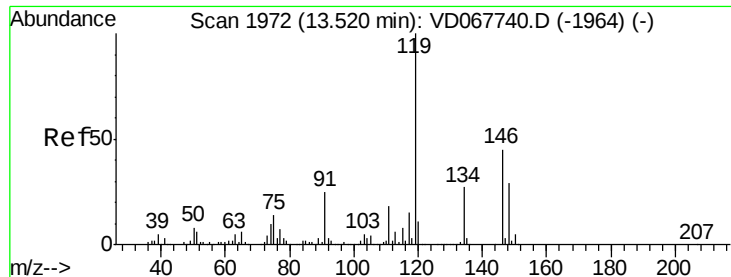
Tot Ion:105 Resp: 1722991
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 151.328 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion:119 Resp: 1664506
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 25.4 12.7 38.1

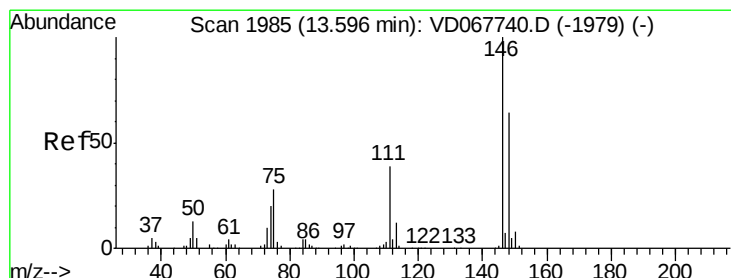
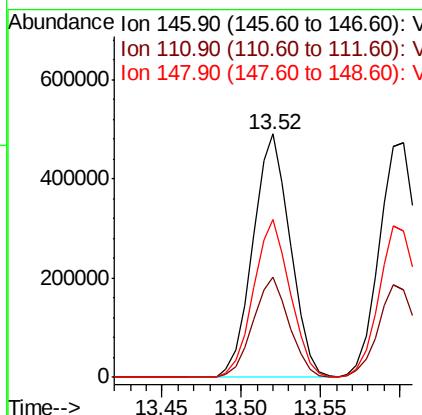
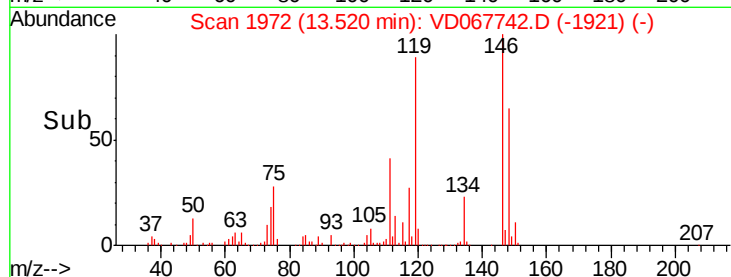
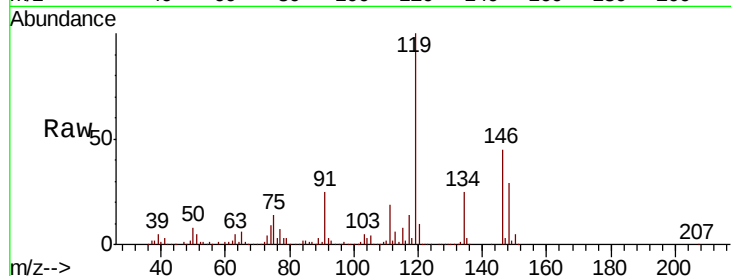




#87
 1,3-Dichlorobenzene
 Concen: 142.370 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

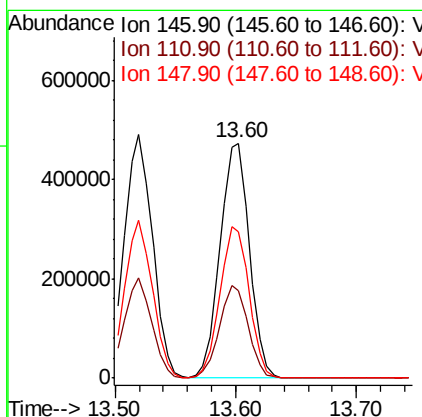
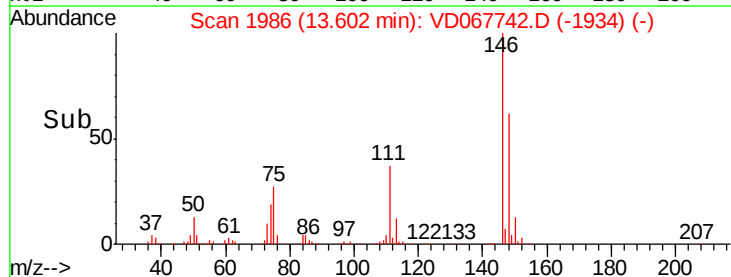
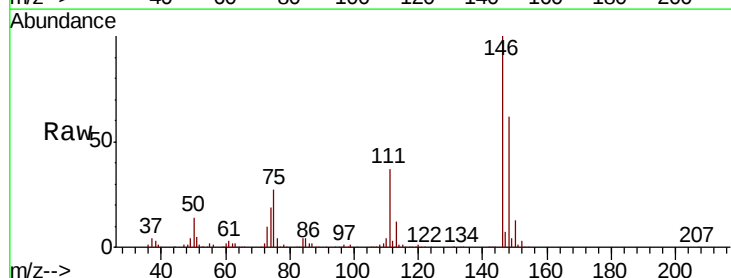
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

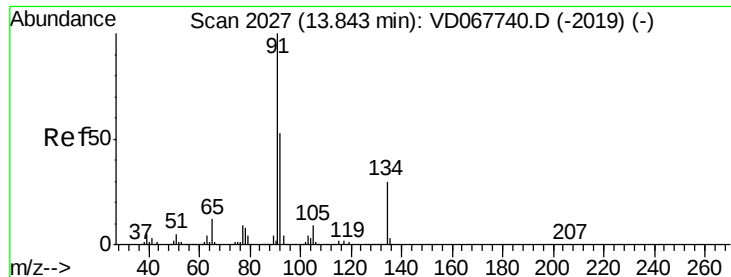
Tot Ion:146 Resp: 804321
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.2 60.6
 148 63.4 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 141.362 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion:146 Resp: 795852
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.4
 148 64.2 31.6 94.8

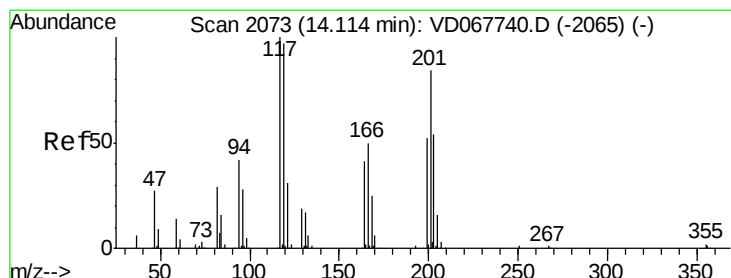
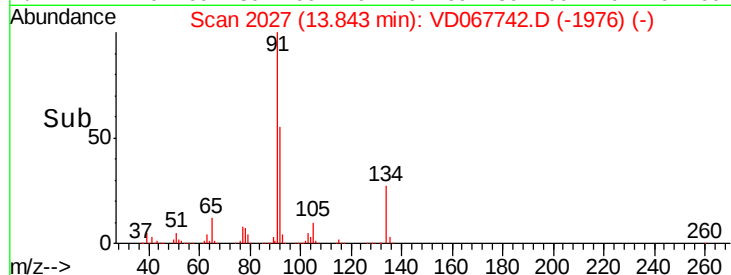
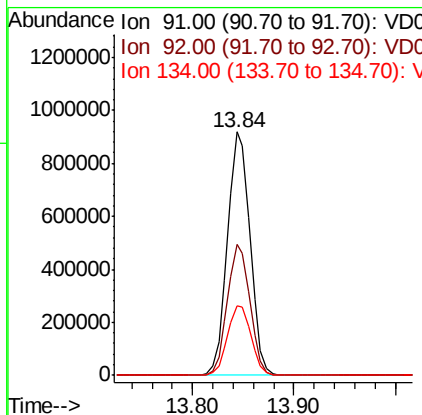
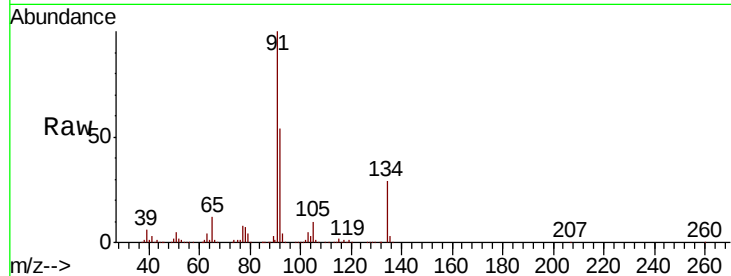




#89
n-Butylbenzene
Concen: 150.284 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

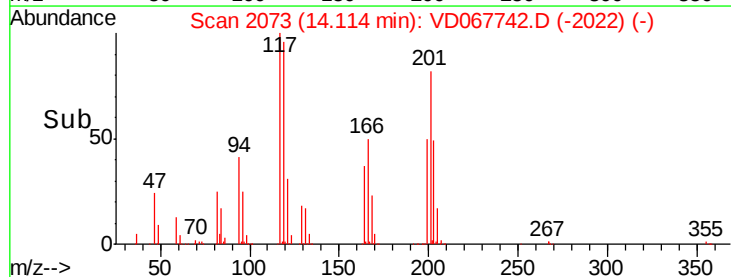
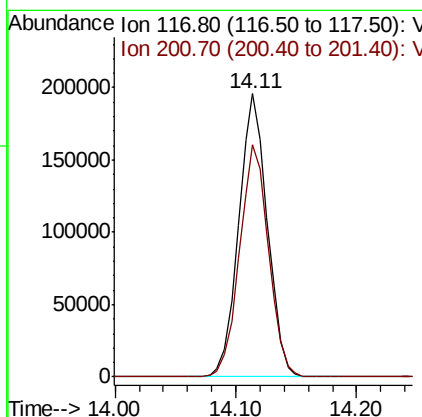
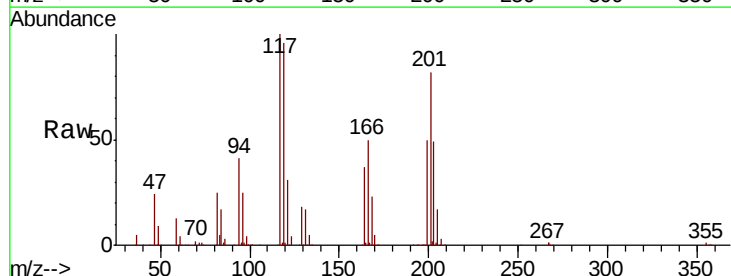
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

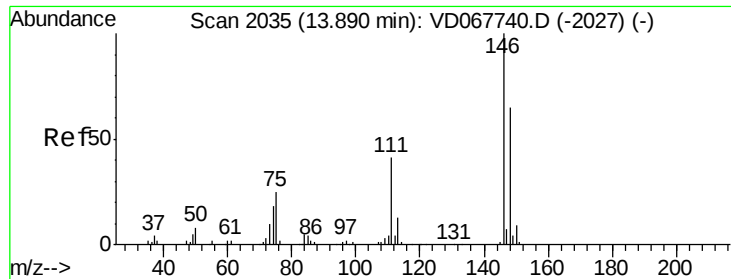
Tot Ion: 91 Resp: 1415072
Ion Ratio Lower Upper
91 100
92 53.9 26.6 79.7
134 29.7 14.8 44.3



#90
Hexachloroethane
Concen: 153.985 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 117 Resp: 322756
Ion Ratio Lower Upper
117 100
201 83.2 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 144.839 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampled :

VSTDIC150

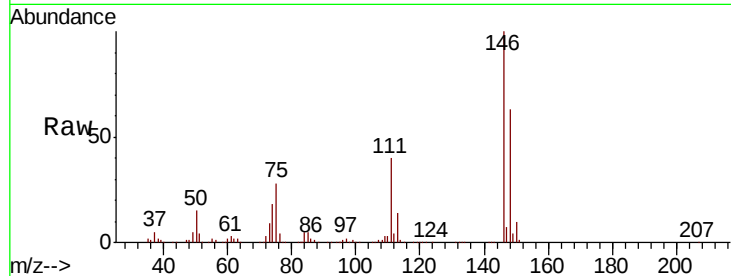
Tot Ion:146 Resp: 703735

Ion Ratio Lower Upper

146 100

111 40.9 20.8 62.5

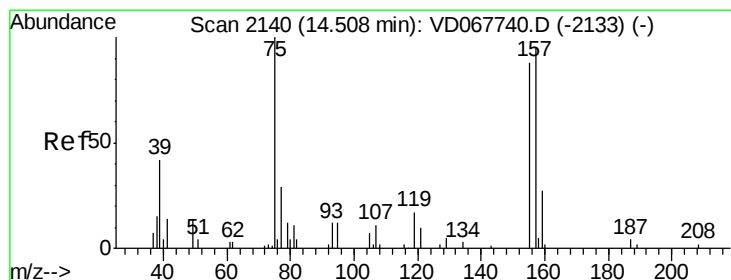
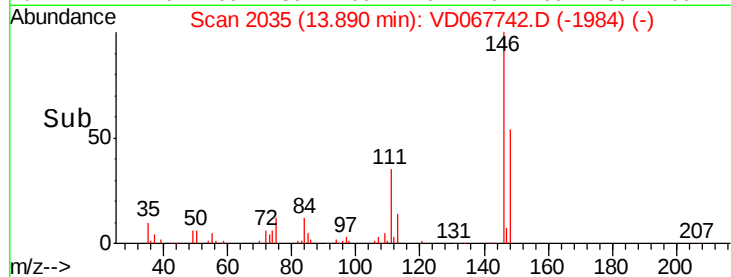
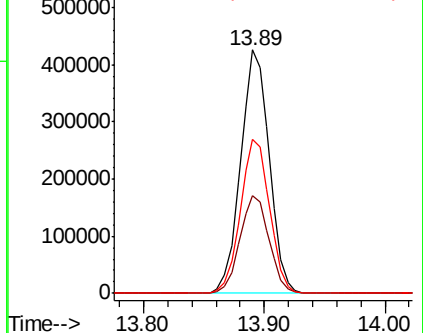
148 64.3 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.084 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

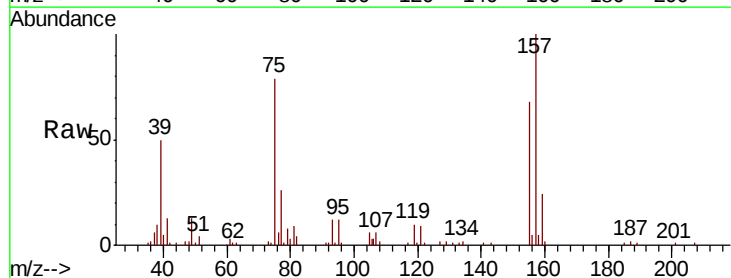
Tgt Ion: 75 Resp: 48243

Ion Ratio Lower Upper

75 100

155 87.1 41.0 123.0

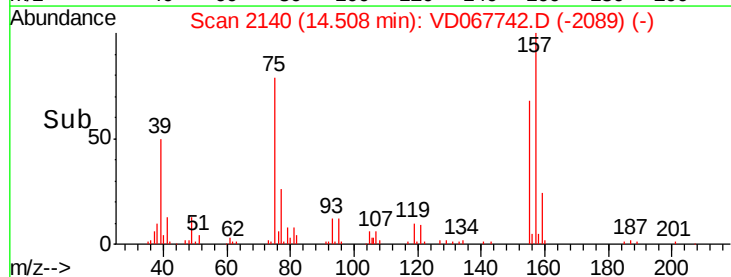
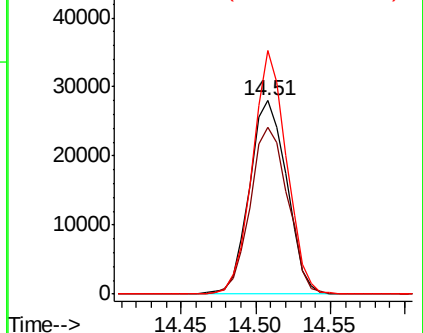
157 114.9 51.1 153.4

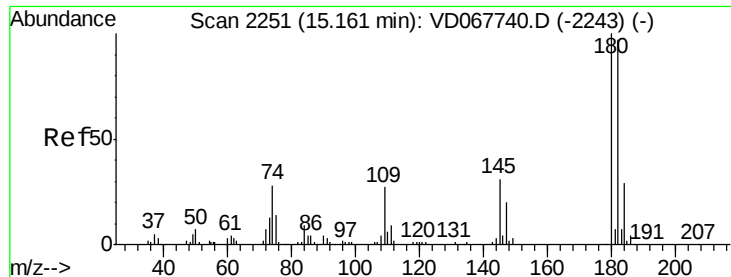


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

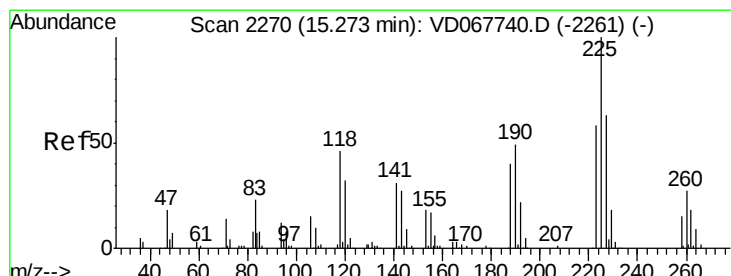
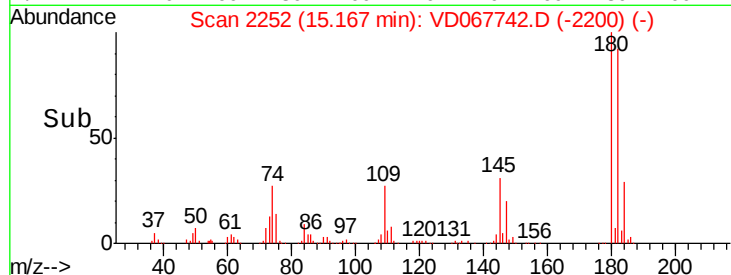
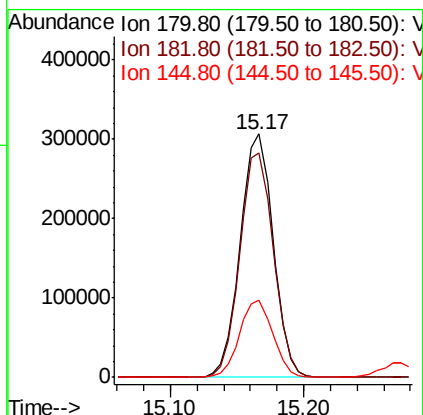
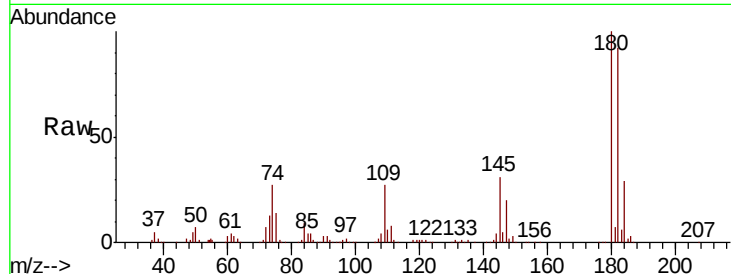




#93
1,2,4-Trichlorobenzene
Concen: 151.766 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

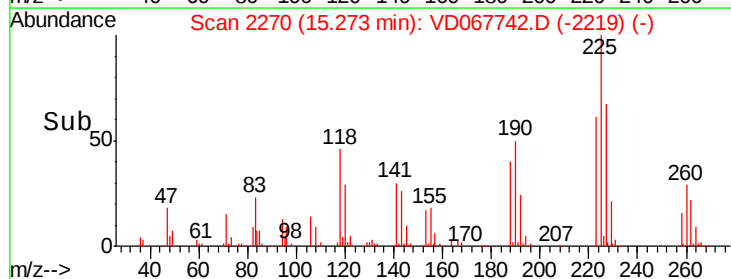
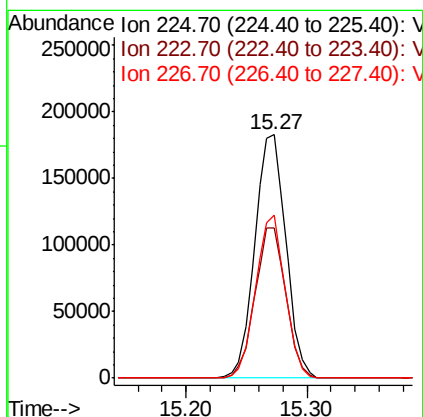
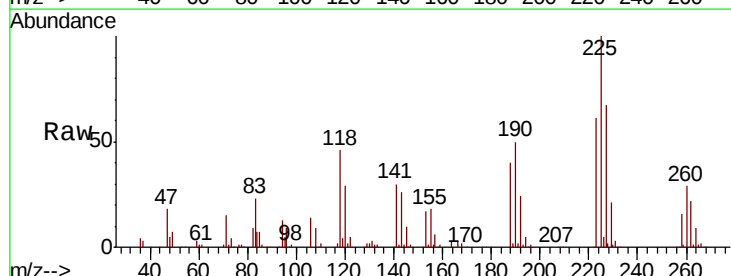
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

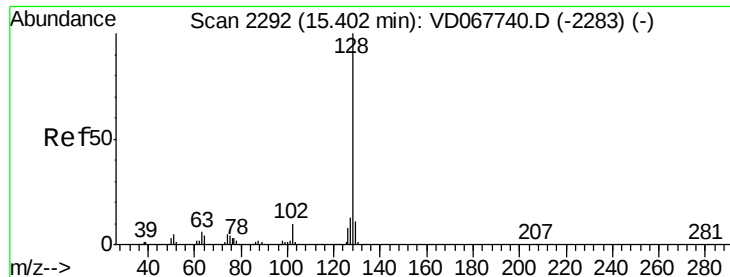
Tot Ion:180 Resp: 522213
Ion Ratio Lower Upper
180 100
182 94.2 47.4 142.2
145 32.1 16.1 48.3



#94
Hexachlorobutadiene
Concen: 148.632 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:225 Resp: 328060
Ion Ratio Lower Upper
225 100
223 61.2 31.5 94.5
227 63.6 32.9 98.7

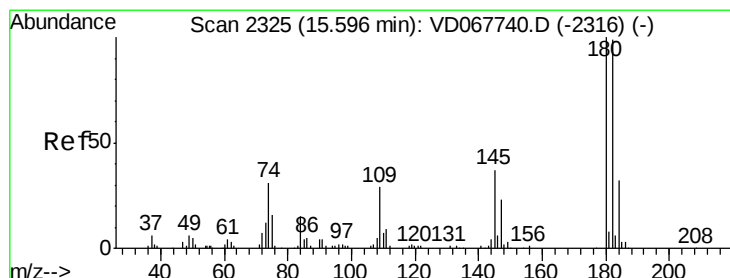
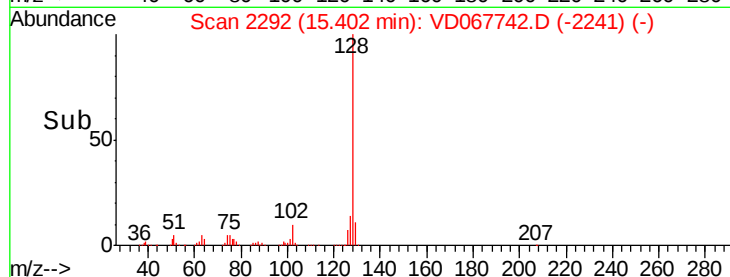
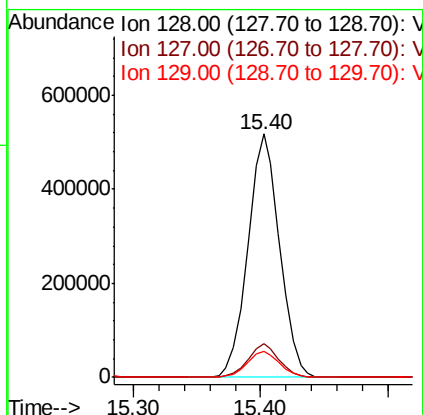
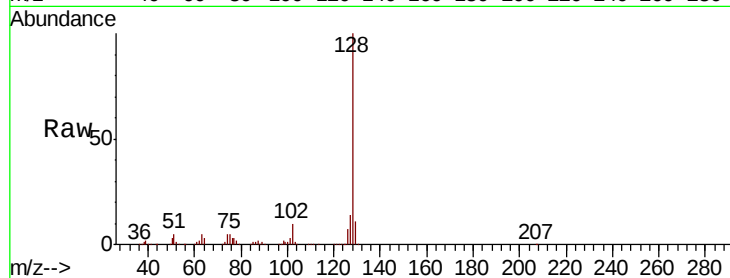




#95
Naphthalene
Concen: 161.380 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 899787
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 153.406 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:180 Resp: 448208
Ion Ratio Lower Upper
180 100
182 94.6 48.0 144.0
145 33.8 16.8 50.4

